



Metcalf Energy Center

June 13, 2003

Mr. Steve Munro, Compliance Project Manager
California Energy Commission
1516 9th Street, MS 2000
Sacramento, CA 95814

Subject: Metcalf Energy Center 99-AFC-3
Monthly Compliance Report #20, May 1 – May 31, 2003

Dear Mr. Munro:

In accordance with the CEC Commission Decision, enclosed please find a Monthly Compliance Report (Report) and Compliance Matrix for the Metcalf Energy Center. This report is for the period beginning May 1 – May 31, 2003.

The Report lists those Conditions of Certification that require submittal with the Monthly Compliance Report as stated in the Commission Decision. These submittals are listed in the Report and are attached.

A copy of this report is also being submitted to the library nearest the project site, Santa Teresa Branch Library, as required in the Commission Decision.

If you have any questions please call me at (408) 463-6001.

Sincerely,

Kristen O'Kane
Kristen O'Kane
Environmental Compliance Manager
METCALF ENERGY CENTER

Enclosures

cc: Michael Argentine, Calpine
Nick LaPorte, Calpine
Sam McIntosh, Calpine
Document Control, Calpine
Don Wimberly, Willdan

**Metcalf Energy Center
99-AFC-2**

**Monthly Compliance Report #20
May 1 – May 31, 2003**

1. Project construction status

Pile Driving: Foundation Constructors completed the installation of all pipe piles onsite. The crane and hammer has been removed from the site.

Pile Concrete: Placement of concrete within the pipe pile was halted due to conflicting results of the concrete cylinders taken by the special inspector. The cylinders failed the required 28-day compressive strengths. Core samples of the suspect pours revealed the concrete meets the required compressive strength required by the specifications. A decision was made to change the concrete mix design to a 5000 psi mix in lieu of the 4000 psi mix design required by the specification and continue to place concrete.

Concrete placement was completed in the HRSG, architectural screen wall, dead end structures, and boiler feed water pump piles.

Circulation Water Pipe: All of the underground circulation water pipe has been set. The return line has been welded with the exception of the risers and the last elbow on the west end of the cooling tower. The supply is set and the first weld from the condenser has been completed.

Excavation: No major excavation was completed during the month.

Material Preservation: No major equipment components were received during the month of May. Equipment on site continues to be stored per the manufacturer's recommendations.

Engineering: The engineering progress is approximately 91% complete. Engineering continues to support construction and preparation of subcontract packaging needs.

1) The following documents were issued by Burns and Roe Enterprises, Inc.:

- Issued the following documents to CBO for approval:
 - Pile foundation design for demineralized and fire water storage tanks
 - Pile foundation design for ammonia storage tank
 - Pile foundation design for gas compressors
- Issued the following documents for review:
 - Specialties and lube oil conditioner specifications
- Issued the following for construction / use:
 - Underground conduit / Duct bank drawings
 - Tray plans

- STG pedestal conduits drawing
- Piping isometrics for:
 - Closed cooling water system
 - Service water system
- DCS I/O list, official 85%
- DCS I/O list, official 100%

2) Engineering Tasks:

- Burns and Roe continued to support construction effort
- Continued to develop PDS 3D model:
 - a) Underground piping
 - b) Underground electrical system
 - c) Structural steel
 - d) Equipment
 - e) Foundation
- Continued to review vendor documents
 - a) Water treatment System
 - b) Cooling tower
 - c) HRSG
 - d) Combustion turbine generator
 - e) Steam turbine generator
 - f) Condenser
 - g) PDCs
 - h) Iso-Phase Bus
 - i) BOP equipment
- Continued to update P&IDs
- Continued development of stress analysis
- Continued development of line, piping specialty and valve lists
- Continued development of System Description
- Continued to develop I/O list
- Continued to develop logic diagrams
- Continued to develop above ground conduit design
- Continued to develop equipment foundation design

3) Major Equipment

- The following equipment are in the bid process:
 - a) Fire pump system
 - b) Shop fabricated tanks
 - c) CEMS
 - d) Misc. horizontal pumps
 - e) Closed cooling water heat exchangers
 - f) Compressed air system

Activities planned for next month

Pile Concrete: Foundation Constructors will continue to place reinforcement (rebar) and concrete in piles in the steam turbine platform, cooling tower, tank farm and ammonia tank. All of the piles should have concrete placed by the end of the month.

Circulation Water Pipe: The circulation water piping should be completed by the end of the month including all welding, backfilling, cathodic protection and sheet pile removal.

Engineering:

• General

- Continue to review vendor drawings for CTGs, STG, Condenser, HRSGs, Cooling Tower, major pumps, water treatment system, PDC, Iso-Phase Bus and other equipment
- Continue to support construction
- Support Switchyard subcontractor's design development

• Mechanical

- Continue development stress analysis (Steam drains & Boiler Blow down)
- Continue development Line/Valve/Pipe specialty lists
- Continue development of 3D equipment and piping models
- Continue development of equipment list
- Continue development of System Descriptions
- Continue development of Isometrics (Aux. Steam, FW, Fuel Gas, Lube Oil, CCW and Service Water)
- Continue vendor document review

• Civil /Structural/Architectural

- Continue update 3D Models
- Work on Ammonia Storage area Dike foundation
- Work on miscellaneous Equipment Foundation
- Work on Iso-phase bus duct support foundations

• Electrical

- Continue with Switchyard coordination
- Review PDC 5kV Switchgear and MCC vendor drawings
- Continue with Wiring Diagram for GSUs, GCBs, CTGs, Switchyard interface and plant equipment
- Route the STG cables in ICAMS and prepare above conduit drawings
- Preparing response to VIS-3, Lighting Plan Submittal

• Instrumentation:

- Continue to Review and comment on P&IDs
- Continue data inputs to the major lists
- Continue preparation of logics
- Continue to review vendor drawings
- Issue gauges and meters specification for bid

- Address and resolve all control valve issues and issue Specification 15106 for purchase

MEC Litigation Update

1. The California Supreme Court (Decision 2-28-02)
 - a. The Supreme Court denied STCAG appeal on February 28, 2002.
 - b. The denial is final and non-appealable in California courts.
2. Sacramento Superior Court (Decision 2-22-02)
 - a. MEC's Demurrer was granted on 2-22-02, dismissing the suit for lack of subject matter jurisdiction.
 - i. STCAG had indicated in the press that it intends to appeal this dismissal for lack of subject matter jurisdiction.
 - ii. Proposed Order Sustaining Demurrer was sent to the Judge for signature on March 14, 2002. The CEC sent a revised order and notice of judgment the last week of April.
 - b. Court of Appeals Action:
 - i. We received a notice of intent to file an appeal from STCAG. STCAG will be appealing the Demurrer to the Third District Court of Appeals, dated May 8, 2002. By letter dated June 6, 2002, the office of the Clerk for the Third Appellate District notified STCAG that the reporter's transcript had been filed. STCAG's brief and appendix were originally due by July 5, 2002. However, STCAG was granted an extension. STCAG filed their Opening Brief on August 23, 2002. MEC's reply brief is due September 26, 2002. The brief was filed.
 - ii. STCAG filed its response to MEC's brief on November 4, 2002. Awaiting court letter regarding possible oral argument hearing date.
 - iii. Oral argument was January 27, 2003.
 - iv. Decision was filed on February 5, 2003 affirming judgment of dismissal.
 - v. Petitioner filed Petition for Rehearing on February 24, 2003.
 - vi. Respondents filed answers on February 28, 2003.
 - vii. Petition for rehearing was summarily denied on March 5, 2003.
 - c. California Supreme Court
 - i. STCAG filed a petition with the California Supreme Court on or about March 20, 2003
 - ii. MEC answered on Monday, April 7th.
 - iii. Volker was required to file any reply to our/CEC's answers within 10 days of such answers. We filed 4/7 and CEC filed 4/8. Using 4/8 as the trigger date, Volker should have filed his reply last Friday, 4/18.
 - iv. On May 14, 2003: The Supreme Court denied the STCAG petition.

3. U.S. Ninth Circuit Court of Appeals (Decision 11-21-02)
 - a. On August 10, 2001, the U.S. EPA's Environmental Appeals Board (EAB) rejected petitions filed by STCAG and CARE that had contested the MEC Prevention of Signification Deterioration (PSD) permit. The STCAG subsequently appealed this EAB decision with the U.S. Court of Appeals for the Ninth Circuit in October 2001.
 - b. On November 21, 2002, the Ninth Circuit denied STCAG's petition on all grounds.
 - c. In January 2003 STCAG filed two motions seeking extensions of the deadline for filing a petition for rehearing of the Ninth Circuit's November 2002 order dismissing STCAG's appeal. Calpine, the CEC and BAAQMD all filed papers opposing the STCAG's motions. STCAG subsequently filed its petition for rehearing, which sought rehearing only by the original 3-judge panel that issued the November 2002 order.
 - d. In response to STCAG's motions, the Ninth Circuit during February 2003 extended the deadline for filing STCAG's petition for rehearing and accepted this petition for filing purposes only.
 - e. On March 6, 2003, the Ninth Circuit denied STCAG's petition for rehearing. All appeals before the Ninth Circuit have now been exhausted. Any further appeal can be pursued only by filing a petition for writ of certiorari with the U.S. Supreme Court no later than June 4, 2003.
4. STCAG lawsuit against the City: recycled water line (Pending)
 - a. STCAG has sued to stop the City's construction of its preferred waterline route.
 - b. Hearing was held 6/20/02. Court rendered a decision in favor of City and Calpine.
 - c. STCAG appeal brief was filed in December. Calpine, the City of San Jose and the Santa Clara Valley Water District all filed responses. The CEC filed an amicus brief. STCAG has now filed a reply. Once a brief is filed, the Court can set the hearing at any time thereafter.
5. STCAG lawsuit against BAAQMD: San Francisco Superior Court (Pending)
 - a. STCAG challenged the Bay Area Air Quality Management District (BAAQMD) issuance of the PSD permit.
 - i. The case was filed on 9/9/02 and served on 9/17/02.
 - ii. Calpine and the BAAQMD are filing Demurrers (motions to dismiss) on or about October 17, 2002.
 - iii. Hearing dates will be set thereafter.
 - iv. BAAQMD late field its request for Demurrer. The parties had a telephonic meet and confer to set dates for filing of STCAG's first amended complaint, which was filed on November 8, 2002. Awaiting court order regarding leave to amend. Expect CEC,

- BAAQMD, and Calpine Demurrer to first amended complaint to be filed on or about 11-22-02.
- v. Demurrers were filed by Calpine, the CEC and the BAAQMD on November 26, 2002.
 - vi. December 19, 2002 hearing continued to January 2, 2003.
 - vii. January 2, 2003 hearing: Superior Court issues oral order granting MEC's Demurrer without leave to amend. Order and notice of judgment in favor of MEC, the BAAQMD, and the CEC currently being drafted by BAAQMD.
 - viii. The Proposed Order was sent to the Judge to be signed on February 19, 2003.
 - ix. The Order was signed by the Judge on February 27, 2003 and filed with court on March 3, 2003.
 - x. Possible Appeal to the 1st Dist. Ct. of Appeals
 - xi. Notice of Appeal was filed on April 28, 2003
- b. First District Court of Appeals
- i. On April 28, 2003, STCAG filed their Notice of Appeal; announcing their intent to file suit challenging the San Francisco Superior Court's decision.
 - ii. STCAG Opening Brief: Anticipated in next 30-60 days.

2. Documents required to be submitted with Monthly Compliance Report

CONDITION	SUMMARY
AQ-48	Summary of monthly activities related to the Fugitive Dust Control Plan is attached.
AQ-52	4 ultra low sulfur diesel fuel receipts attached.
AQ-52	Off-road diesel fired equipment usage lists attached.
BIO-2	Summary of Designated Biologist's written records is attached.
BIO-6	WEAT training presented to 18 on site personnel.
CUL-5	WEAT training presented to 18 on site personnel.
CUL-7	Weekly construction schedules are attached.
CUL-8	Weekly summary reports attached.
PAL-3	WEAT training presented to 18 on site personnel.
PAL-4	A summary report is attached.
LAND-1	There is no update on trail developments.
SOCIO-1	List of planned procurement of materials and hiring outside the local regional area is attached.
SOIL&WATER-1	Gallons of well water used during the month of May = 50,867.
GEN-2	Updated drawing list available upon request.
GEN-3	No payments made to the CBO in May.
TRANS-1	No oversize/overweight permits were obtained in May.

3. Compliance matrix

A Compliance Matrix is attached.

**4. Conditions that have been satisfied during the reporting period
(CBO submittals and approvals can be found in #12)**

VIS-3	Submitted lighting plan to CPM and City of San Jose.
VIS-7	Submitted Coyote Ranch landscaping plan to CPM and City of San Jose.
VIS-10	Responded to CEC comments on plume abatement plan.
TRANS-5	Submitted Traffic Control Plan for construction of sewer line and potable water line.
TRANS-7	Submitted Parking and Staging Plan for construction of sewer line and potable water line.
LAND-9	Submitted site plan for construction of sewer line and potable water line.
WASTE-3	Submitted Construction Waste Plan for linears.
GEN-4	Submitted final CBO approval of replacement Resident Engineer.
GEN-5	Submitted CBO approvals for gas line engineers.
GEN-5	Submitted CBO approvals for switchyard engineers.

5. Submittal deadlines not met

There are no outstanding submittals.

6. Approved COC changes

- A request for amendment was submitted 11/30/01 and approved 12/21/01. The amendment allows for an additional 14 acres of laydown area south of Blanchard Road and west of the railroad tracks.
- An amendment was approved on 8/28/02 to allow the originally certified 10.2-mile recycled water line to be replaced with a 1000-foot lateral interconnection line of the same capacity.

7. Filings or permits with other agencies

- Received California Department of Fish and Game Streambed Alteration Agreement to install a natural gas line under Coyote Creek.

8. Projection of project compliance activities for next two months (June - July)

CONDITION	SUMMARY
AQ-48	Will follow dust mitigation measures.
AQ-49 and 50	Dust will be monitored and activities recorded.
CUL-5	Training will be provided as needed.
CUL-7	Will submit weekly schedule to resource specialists.
CUL-8	Cultural specialist will perform required duties when

	necessary.
CUL-9	Cultural specialist will perform required duties when necessary.
CUL-19	Will submit cultural resources assessment for potable water line.
BIO-2	Biologist will perform required duties when necessary.
BIO-6	Training will be provided as needed.
BIO-7	Will submit copy of Department of Fish and Game Streambed Alteration Agreement for gas pipeline.
PAL-3	Training will be provided as needed.
PAL-4	Paleo specialist will perform required duties when necessary.
VIS-5	Will submit revised Monterey Road landscaping plan.
VIS-9	Will respond to CEC comments on architectural treatment.
LAND-3	Will provide notification that eastern and southwestern equipment boundaries have been marked and are ready for inspection.
VIS-3	Will submit revised Lighting Plan.
SOIL&WATER-2 and 3	Will submit storm water pollution prevention plan and erosion control plan for construction of the sewer line and potable water line.

9. Additions to on-site compliance file

- Silt fence inspection logs
- Straw bale and wattle inspection logs
- Erosion and sediment control inspection logs
- Road cleaning logs
- Water truck (dust control) logs
- Biological monitor daily logs
- WEAT training logs
- Daily logs (fugitive dust and public road inspections)
- Ultra low sulfur fuel receipts

10. Requests to dispose of items in compliance file

None

11. Listing of complaints, notices of violations, official warnings, and citations

Listing of calls received on MEC public information line.

None.

12. List of facility design submittals, comments and approvals to CBO

Submittal matrix attached. CBO comments received in May are attached.

CBO Approvals:

- ELEC-2, Electrical One Line Diagrams, 23 Drawings and Response Letter dated 3/13/03.
- GEN-4, Replacement of Resident Engineer.

- GEN-5, Responsible Engineers for linears
- GEN-5, Responsible Civil Engineer
- CIVIL-4, Site Observation Report

CONDITION OF CERTIFICATION AQ-48
SUMMARY OF FUGITIVE DUST MITIGATION ACTIVITIES

METCALF ENERGY CENTER
MONTHLY COMPLIANCE REPORT #20

Summary of monthly activities related to the Fugitive Dust Control Plan:

The site was monitored daily for fugitive dust and for tracked material onto public roads. Logs are kept on file as part of the Storm Water Pollution Prevention Plan. The following activities were employed during the month of April:

- A water truck and operator are on site daily to moisten unpaved areas.
- Hydroseeded areas are well-covered.
- A mechanical vacuum sweeper was on site the following days to remove dust from the access road, Blanchard Road and Monterey Road/Blanchard Road intersection.

5/1/03
5/6/03
5/7/03
5/8/03
5/9/03

CONDITION OF CERTIFICATION AQ-52
ULTRA-LOW SULFUR FUEL RECEIPTS

METCALF ENERGY CENTER
MONTHLY COMPLIANCE REPORT #20



Gulf Transportation

260 MICHELE COURT • SOUTH SAN FRANCISCO, CALIFORNIA 94080-6927
(650) 873-1244

DELIVERY RECEIPT

MILLER THOMPSON CONSTRUCTION
101 PARR BLVD.
RICHMOND, CA 94801-1117

MILLER THOMPSON CONSTRUCTION
#1 BLANCHARD RD.
SAN JOSE, CA 95101

CUSTOMER: 9801

SHIPPER: Weller ORIGIN: So Linder

DRIVER'S COMMENTS

ORDER NUMBER	P.O. NUMBER	DATE	TRUCK	TRAILER#	LOC.	DRIVER	TERMS
267,358		05/09/03	40			Mark	NET 10 DAYS
PRODUCT/DESC	QTY ORDERED	HRT/BOL/UNIT	TEMP°F	QTY PICKED UP GROSS/PRICE	@60°F/ST	CITY DELIVERY GROSS/AMOUNT	@60°F
5 DYED ULS DS	500.00	NA1993		540		540 → 454	
FUEL OIL/COMBUSTIBLE LIQUID / NA1993							
THIS PRODUCT IS DYED DIESEL FUEL. NON TAXABLE USE ONLY.							
PENALTY FOR TAXABLE USE. THIS FUEL MEETS EPA REQUIREMENTS							
UST Certificate on file							
Certificate # *** NONE ***							
DELIVER FRIDAY 5/9 BETWEEN 8AM -TO- 12NOON						# 50903M	
ORDER BY: FRANK / CONTACT: LUCKY @ SITE							
510-760-9646... RJD							
FOR HAZARDOUS MATERIAL EMERGENCY							
Spill, Leak, Fire, Exposure, or Accident							
CALL PERS DAY OR NIGHT							
1-800-HAZARDOUS 633-8253							

502
101084

PAY THIS AMOUNT

TRIP MILES LOADED END → 346 257 START → 346 245 TOTAL → 12

BEFORE			AFTER		
TANK SIZE	FEET	INCHES	TANK SIZE	FEET	INCHES
DIESEL #2			DIESEL #2		
MID UNLEADED			MID UNLEADED		
REGULAR UNLEADED			REGULAR UNLEADED		
PREMIUM UNLEADED			PREMIUM UNLEADED		

TRIP HOURS					
START	LOAD TIME		UNLOAD TIME		RETURN
TRIP	START	FINISH	START	FINISH	TIME
1045					11.04 1130
RECEIVED ABOVE COMMODITY & SERVICE IN GOOD ORDER					
<i>[Signature]</i>					
RECEIVED BY					

TERMS AND CONDITIONS. NET DUE DATE. A FINANCE CHARGE OF 1.5% PER MONTH (ANNUAL PERCENTAGE RATE OF 18%) WILL BE CHARGED ON THE BALANCE REMAINING UNPAID AFTER THE DUE DATE INDICATED ABOVE. MINIMUM CHARGE OF \$1.00. CUSTOMER AGREES THAT IN THE EVENT A SUIT FOR ACTION OF THIS BILL OR ANY PORTION THEREOF IS INITIATED, CUSTOMER WILL PAY REASONABLE ATTORNEY'S FEES.



Flyers Transportation, LLC dba
Gulf Transportation
260 MICHELE COURT • SOUTH SAN FRANCISCO, CALIFORNIA 94080-6927
(650) 873-1244

DELIVERY RECEIPT

FOUNDATION CONSTRUCTORS/CRDLK
P.O. BOX-97
OAKLEY, CA 94561

FOUNDATION CONSTRUCTORS/CRDLK
#1 BLANCHARD RD.
SAN JOSE, CA 95101

CUSTOMER: 10970

SHIPPER: Nella ORIGIN: So [unclear]

DRIVER'S COMMENTS

ORDER NUMBER	P.O. NUMBER	DATE	TRUCK	TRAILER#	LOC.	DRIVER	TERMS
267,625		05/13/03	40			Mark	NET 15 DAYS
9 UL SULF DSL 500.00 FUEL OIL/COMBUSTIBLE LIQUID / NA1993 THIS DIESEL FUEL DOES NOT CONTAIN VISIBLE EVIDENCE OF DYE. UST Certificate on file Certificate # *** NONE ***				550		550 → 282	

51203m
FOR HAZARDOUS MATERIAL EMERGENCY
Spill, Leak, Fire, Exposure, or Accident
CALL PERS DAY OR NIGHT
1-800-HAZARDOUS 633-8253

103006

PAY THIS AMOUNT

TRIP MILES LOADED

346 572

346 510

63

BEFORE

AFTER

TRIP HOURS

TRIP	START	FINISH	START	FINISH	TIME
720	7:00	730	900	945	

RECEIVED BY
Brooks B. Clegg



Flyers Transportation, LLC dba

Gulf Transportation260 MICHELE COURT • SOUTH SAN FRANCISCO, CALIFORNIA 94080-6927
(650) 873-1244**DELIVERY RECEIPT**

S	H	T	O	P
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Miller Thompson

CUSTOMER:

SHIPPER:

ORIGIN:

DRIVER'S COMMENTS

ORDER NUMBER	P.O. NUMBER	DATE	TRUCK	TRAILER#	LOC.	DRIVER	TERMS	
267849		5-15 40				Mark		
PRODUCT / DESC	QTY. ORDERED	HT/BOL/UNIT	TEMP F	S/G	QTY PICKED UP GROSS PRICE	@ 60°F ST	QTY DELIVERY GROSS AMOUNT	@ 60°F
8 DSL #2 CARB FUEL OIL / COMBUSTIBLE LIQUID / NA1993 THIS DIESEL FUEL DOES NOT CONTAIN VISIBLE EVIDENCE OF DYE. UST Certificate on file Certificate # ***NONE***								
36 DSL CARB #2 FUEL OIL / COMBUSTIBLE LIQUID / NA1993 THIS PRODUCT IS DYED DIESEL FUEL NONTAXABLE USE ONLY. PENALTY FOR TAXABLE USE. THIS FUEL MEETS EPA REQUIREMENTS UST Certificate on file Certificate # ***NONE***		Ultra low Sulfur W/O DYE				503 → 121		
22 UNLEADED RE GASOLINE / FLAMMABLE LIQUID / UN1203 UST Certificate on file Certificate # ***NONE***					502			
72 MID UNLEADED 1.00 GASOLINE / FLAMMABLE LIQUID / UN1203 UST Certificate on file Certificate # ***NONE***					10/084			
71 PREM UNLEAD GASOLINE / FLAMMABLE LIQUID / UN1203 UST Certificate on file Certificate # ***NONE***								
						FOR HAZARDOUS MATERIAL EMERGENCY Spill, Leak, Fire, Exposure, or Accident CALL PERS DAY OR NIGHT 1-800-HAZARDOUS 633-8253		

PAY THIS AMOUNT

TRIP MILES LOADED END ▶ 346 961 START ▶ 346 599 TOTAL ▶ 62

BEFORE			AFTER		
TANK SIZE	FEET	INCH(ES)	TANK SIZE	FEET	INCH(ES)
DIESEL #2			DIESEL #2		
MID UNLEADED			MID UNLEADED		
REGULAR UNLEADED			REGULAR UNLEADED		
PREMIUM UNLEADED			PREMIUM UNLEADED		

TRIP HOURS					
START TRIP	LOAD TIME		UNLOAD TIME		RETURN TIME
	START	FINISH	START	FINISH	
10:00	10:15		10:00	12:30	

RECEIVED ABOVE COMMODITY & SERVICE IN GOOD ORDER

Ch.

RECEIVED BY

TERMS AND CONDITIONS. NET DUE DATE, A FINANCE CHARGE OF 1.5% PER MONTH (ANNUAL PERCENTAGE RATE OF 18%) WILL BE CHARGED ON THE BALANCE REMAINING UNPAID AFTER THE DUE DATE INDICATED ABOVE. MINIMUM CHARGE OF \$1.00. CUSTOMER AGREES THAT IN THE EVENT A SUIT FOR ACTION OF THIS BILL OR ANY PORTION THEREOF IS INITIATED, CUSTOMER WILL PAY REASONABLE ATTORNEY'S FEES.

CUSTOMER COPY

Gulf Transportation

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(650) 873-1244

DELIVERY RECEIPT

MILLER THOMPSON CONSTRUCTION
101 PARR BLVD.
RICHMOND, CA 94801-1117

MILLER THOMPSON CONSTRUCTION
#1 BLANCHARD RD.
SAN JOSE, CA 95101

CUSTOMER: 9801

So. Linden

SHIPPER: Nella

ORIGIN:

ORDER NUMBER	P.O. NUMBER	DATE	TRUCK	TRAILER#	LOC.	DRIVER	TERMS
269,147		5/20/87	HO			Mark	NET 10 DAYS
PRODUCT/DESCRIPTION		QTY ORDERED	HRT/BOL/UNIT	PF/S/G	DATE PICKED UP	GROSS WEIGHT	GROSS AMOUNT
5 UL SULF DSL		500.00			50	50	182
FUEL OIL/COMBUSTIBLE LIQUID / NA1993							
THIS DIESEL FUEL DOES NOT CONTAIN VISIBLE EVIDENCE OF DYE.							
UST Certificate on file							
Certificate # *** NONE ***							
<p style="text-align: center;"><i>H 53003 S</i></p> <p style="text-align: center;">FOR HAZARDOUS MATERIAL EMERGENCY Spill, Leak, Fire, Exposure, or Accident CALL PERS DAY OR NIGHT 1-800-HAZARDOUS 633-8253</p> <p style="text-align: center;"><i>502</i> <i>101084</i></p>							

PAY THIS AMOUNT

TRIP MILES LOADED END ▶ 348 415 START ▶ 348 402 TOTAL ▶ 13

BEFORE

AFTER

	TANK SIZE	FEET	INCHES		TANK SIZE	FEET	INCHES
DIESEL				DIESEL #2			
MID UNLEADED				MID UNLEADED			
REGULAR UNLEADED				REGULAR UNLEADED			
Premium UNLEADED				Premium UNLEADED			

TRIP HOURS

TRIP	START	UNLOAD TIME	UNLOAD TIME		RETURN
			START	FINISH	
1100					1430

✓ RECEIVED ABOVE COMMODITY & SERVICE IN GOOD ORDER

RECEIVED BY

TERMS AND CONDITIONS. NET DUE DATE. A FINANCE CHARGE OF 1.5% PER MONTH (ANNUAL PERCENTAGE RATE OF 18%) WILL BE CHARGED ON THE BALANCE

CONDITION OF CERTIFICATION AQ-52
OFF-ROAD DIESEL-FIRED EQUIPMENT USAGE LISTS

METCALF ENERGY CENTER
MONTHLY COMPLIANCE REPORT #20

CONTRACTOR: Foundation**DATE:** May 2003

This form must be completed before site mobilization and must include all equipment that will be used on site.

** All diesel equipment must use ultra low sulfur diesel fuel. Engine idle time must be limited to 10 minutes or less.

Sent By: PASQUINI ENGINEERING;

6613289030;

Jun-9-03 12:29PM;

Page 2

Equipment ID	Year	Make	Model	Serial #	Engine HP	# of days equipment planned usage	Actual date usage started	Actual date usage stopped	Type of mitigation implemented (e.g., CARB, CDPF)
Crane		Manitowoc	2900WC	29591	175	Daily (February - May)	2/11/03	5/14/03	Received exemption.
Crane		Manitowoc	3900W	395037	300	Daily (February - May)	2/11/03		Received exemption.
Crane		Drott	2500	6240824	170	Daily (February - May)	2/11/03		Received exemption.
Crane		American	5520	6613968	180	Daily (February - May)	2/11/03	5/14/03	Received exemption.
Loader	1980	Pettibone	304-A	30-10-0074	175	Daily (February - May)	2/11/03	5/22/03	Received exemption.
Welder		Lincoln	500	U10002 03489	17	Periodic (March - May)	3/3/03	5/30/03	<100 HP
Welder		Lincoln	500	U19909 08503	17	Periodic (March - May)	3/3/03	5/14/03	<100 HP
Forklift	1994	Gradall	534B	8344167	92	Periodic (April - May)	4/7/03		<100 HP

CMM Signature: Date: 5/9/03

Comments:

CONTRACTOR: Foundation**DATE: May 2003**

This form must be completed before site mobilization and must include all equipment that will be used on site.
** All diesel equipment must use ultra low sulfur diesel fuel. Engine idle time must be limited to 10 minutes or less.

Equipment ID	Year	Make	Model	Serial #	Engine HP	# of days equipment planned usage	Actual date usage started	Actual date usage stopped	Type of mitigation implemented (e.g., CARB, CDPF)
Forklift	2001	Gradall	544D	0160090 914	130	Daily (February 26 - May)	2/26/03		1996 or newer

CIM Signature: 
CIM Date: 5/9/03

Comments:

6613289030; Jun-9-03 12:29PM;

Page 3

CONTRACTOR: Top Grade Construction

DATE: May 2003

Sent By: PASQUINI ENGINEERING;

6813289030;

Jun-9-03 12:29PM;

Page 4

This form must be completed before site mobilization and must include all equipment that will be used on site.
 **All diesel equipment must use ultra low sulfur diesel fuel. Engine idle time must be limited to 10 minutes or less.

Equipment Type	Year	Make	Model	Serial #	Engine HP	# of days equipment planned usage	Actual date usage started	Actual date usage stopped	Type of mitigation implemented (e.g., CARB, CDPH)
Excavator	2001	CAT	330BL	10Z38092	375	1	5/6/03	5/6/03	< 10 days usage
Dozer	1997	CAT	D4H	8PB06300	290	1	5/6/03	5/6/03	< 10 days usage
Dump Truck	1998	Volvo	A35C	A35CV525 8	260	1	5/6/03	5/6/03	< 10 days usage
Dump Truck	1998	Volvo	A35C	A35CV600 64	260	1	5/6/03	5/6/03	< 10 days usage
Loader	1996	Massey Ferguson	650B			1	5/6/03	5/6/03	< 10 days usage


 Date: 5/9/03

CM/Signature:

Comments:

CONTRACTOR: Shedd Drayage Co.

DATE: May 2003

This form must be completed before site mobilization and must include all equipment that will be used on site.
***All diesel equipment must use ultra low sulfur diesel fuel. Engine idle time must be limited to 10 minutes or less.

CMM Signature

Comments

Metcalf Energy Center Equipment Usage List

CONTRACTOR: Miller/Thompson Constructors

This form must be completed before site mobilization and must include all equipment that will be used on site.
***All diesel equipment must use ultra low sulfur diesel fuel. Engine idle time must be limited to 10 minutes or less.

DATE: May 2003

CMM Signature:

Comments:

Date: 6/9/03

MILLER/THOMPSON CONSTRUCTORS, INC.

RICHMOND OFFICE
101 Park Boulevard
Richmond, CA 94801-1117

Ph. (510) 215-6200 • Fax (510) 215-0515

SAN FRANCISCO OFFICE
Pier 54 Terry Francois Boulevard
San Francisco, CA 94107-2120

Ph.(415) 977-1435 • Fax (415) 905-8391

502-L007

June 5, 2003

Calpine Construction Management Company, Inc.
1 Blanchard Road
Post Office Box 13190
San Jose, CA 95013

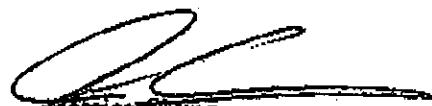
Attn: Kristen O'Kane, Compliance Manager
Reference: Contract No. MECXX-0000000057
Metcalf Energy Center, San Jose, CA
Subject: Equipment Mitigation Compliance

Dear Ms. O'Kane;

Per Calpine's Diesel Construction Equipment Mitigation Plan, any equipment on site with BHP greater than 100 is required to be equipped with a 1996 CARB or EPA certified engine. American 8460, 165-ton crane used on site is in this category. Another one of the required mitigation for this engine is to use Ultra-Low-Sulfur Diesel (ULSD) fuel. The crane used ULSD during the operation on site and the receipt of such fuel has been forwarded to Calpine. However, we are requesting for an exemption for using a 1996 CARB or EPA certified engine based on items number 1 and 2 in your "Report of Emergency Termination of Mitigation" of the Construction Equipment Mitigation Plan. Installation of such mitigation measures would cause high back pressure and may cause damage to the engine.

If you have any questions, please contact me at (408) 463-0417.

Sincerely,
Miller/Thompson Constructors, Inc.



Jessica Chung
Project Engineer

cc: File, Field

CONDITION OF CERTIFICATION BIO-2
SUMMARY OF BIOLOGICAL MONITORING

METCALF ENERGY CENTER
MONTHLY COMPLIANCE REPORT #20

Biological Resources
Mitigation Monitoring for the
Metcalf Energy Center

MONTHLY COMPLIANCE REPORT #20

May 2003

Prepared by:

CH2M HILL

2485 Natomas Park Drive, Suite 600

Sacramento, California 95833

METCALF ENERGY CENTER

MONTHLY COMPLIANCE REPORT

May 2003

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- A) Cumulative Wildlife Species Observed in or Near the Project Area**
- B) WEAT Sign-In Sheets**
- C) Photographs**

INTRODUCTION

The Metcalf Energy Center (MEC) site is located in the Santa Clara Valley within the Urban Service Area of south San Jose. The MEC will be a 600-megawatt natural-gas-fired combined cycle power plant with the following features:

- A 230-kilovolt (kV) switchyard and approximately 240 feet of new 230-kV transmission line that will loop into the existing Pacific Gas and Electric (PG&E) 230-kV Metcalf-Monta Vista No. 4 transmission on Tulare Hill.
- An approximately one mile, 16-inch natural gas pipeline that will connect to an existing PG&E transmission backbone pipeline that runs along the eastern side of U.S. 101.
- An approximately 10.2-mile water pipeline from a tap into the South Bay Water Recycling Program's (SBWR) existing main pipeline in eastern San Jose will be used for cooling water.
- An approximately 1.2-mile water pipeline will supply domestic and backup water supplies.
- A stormwater detention basin and discharge outfall structure to Fisher Creek.
- A new access road from Monterey Road at the Blanchard Road junction and visual screening and landscape corridor along the new access road that will require 6 acres of agricultural land south of the MEC site.
- A second access road (west access road) may extend from Santa Teresa Boulevard to the MEC site that will require 2.0 acre of agricultural land.
- Two temporary construction laydown yards totaling 24.8-acres are located in agricultural land south of the MEC site.

The project was designed to avoid significant negative impacts to sensitive biological resources to the furthest extent feasible. Mitigation measures were developed through consultation with the U. S. Fish and Wildlife Service (USFWS), U. S. Army Corps of Engineers (Corps), National Marine Fisheries Service (NMFS), California Department of Fish and Game (CDFG), and the Water Quality Control Board to minimize unavoidable project impacts. Permits and authorizations from these agencies included conditions that must be monitored by the Designated Biologist. The Biological Monitor will be present onsite during all phases of construction to ensure compliance with the mitigation measures outlined in the *Biological Resources Mitigation Implementation and Monitoring Plan* (BRMIMP). The following report includes all MEC project activities monitored during May 2003.

MONITORED MITIGATION MEASURES

Mitigation measures were developed through consultation with USFWS, NMFS, CDFG, San Francisco Bay Regional Water Quality Control Board (Water Board), Corps, and California Energy Commission (CEC) for the MEC project. Compliance with any conditions of the Corps, Water Board, and CDFG permits will be included when permits are received and used on the project.

Conditions of Certification (COC) BIO-1 through BIO-13 were in compliance during May 2003. In compliance with COC BIO-2, the Biological Monitor examined and cleared Phase 2 activity areas immediately prior to and during May activities.

The following conditions described in the USFWS Biological Opinion (BO) remained pertinent to the May monitoring efforts:

- Garbage must be removed from the site.
- Activity must be limited to the minimum necessary.
- The boundaries of the site will be clearly marked.
- All equipment, personnel, and access shall be confined to designated work areas and connecting roadways.
- Refueling will occur at least 50 feet away from aquatic habitats.
- Weekly California red-legged frog surveys will be conducted in work areas.
- Bullfrogs found during amphibian surveys, including adult, subadult, and larval bullfrogs, shall be captured and killed.
- The Biological Monitor will inspect the erosion control features daily.
- Concrete trucks must be washed within a designated area with a surrounding berm.

All activities complied with conditions described in the NMFS BO. Work near Coyote Creek, where NMFS has jurisdiction over anadromous fish (salmon and steelhead), will likely occur in the summer 2004.

The Monitor was available throughout the month to respond to biological issues as needed. May activities are described below.

SUMMARY OF ACTIVITIES

This report includes project activities that took place during May 2003. May activities included ongoing site construction, MEC Ecological Preserve Enhancement, and presentation of the Worker Environmental Awareness Training (WEAT) program to project personnel. The following provides a description of these activities. A cumulative wildlife species list is included in Appendix A. WEAT sign-in sheets are included in Appendix B. Representative photographs of May activities are included in Appendix C. The Biological Monitor completes daily logs summarizing activities, personal interactions, and observations. These logs are available on request.

Phase 2 Site Construction

May Phase 2 site activities included ongoing pile driving; reinforcement of the installed piles with rebar and concrete; installation of the re-circulation waterline; and continued equipment transport/storage onto the laydown yards. Some of these activities will likely continue into June 2003.

The Biological Monitor performed general and species-specific wildlife clearance surveys immediately prior to and during all ground disturbance activities. The Biological Monitor continued to survey for injured, dead, and entrapped wildlife throughout each construction zone.

The Biological Monitor performed spot checks of May Phase 2 activities. The spot checks focused on ensuring that work complied with all CEC COCs and on whether upcoming activities on the construction schedule would require continuous or sporadic on-site biological monitoring. All construction related activity remained outside the Fisher Creek riparian corridor.

Pile Driving and Pile Reinforcement

Steel piles driven into the MEC footprint site will bear the heavy loads of various power plant structures (e.g. cooling towers, CTGs; etc.). Pile driving on the footprint site was completed in May 2003. Throughout May, re-bar cages were installed and concrete was poured into each pile. Reinforcement of the piles will likely continue through the coming weeks.

The concrete washout station continued to be utilized by concrete mixer trucks. Mixer trucks were required to use the station before departing from site.

Re-circulation Waterline

During May 2003, re-circulation waterline pipes were installed inside the previously excavated trench. Minor excavation occurred within the trench to adjust for grade elevation requirements.

Power Plant Materials Storage

Heavy haul trucks continued to transport equipment onto the north and south laydown yards. All traffic was confined to previously established roads. These activities will continue through the coming months.

MEC Ecological Preserve Enhancement

Enhancement activities within the ecological preserve continued during May 2003. These activities included installation of tree supports and weed control. In addition, a section of damaged solar panel was replaced.

The majority of planted trees are attached to wooden support posts. The posts are intended to aid saplings root establishment. This month, additional support posts were attached to growing trees.

Grasses and other forbs were physically removed from around each planted tree and shrub. Vegetation was trimmed down to ground level using a gas-powered weed whacker. The vegetation control was performed in a manner that would avoid damage to planted vegetation. Personnel performing this maintenance procedure were careful not to harm the newly planted riparian vegetation. Ongoing maintenance of the Preserved will included the continued management of grass and forb growth.

WORKER ENVIRONMENTAL AWARENESS TRAINING

The WEAT program was developed exclusively for the MEC project. Program materials include a handbook, video, and poster. During May, the WEAT program was administered as required by COC BIO-6 from the CEC *Commission Decision*.

In May, WEAT continued with the presentation of a training video and distribution of WEAT handbooks.

A total of 18 personnel received WEAT training during May for a total of 546 employees trained at MEC. A Mortenson Site Safety Officer administered the WEAT training to all new May employees. A list of May WEAT attendees is included in Appendix B. Signed affidavits are kept on file by both Calpine's Compliance Manager and the Designated Biologist.

GENERAL NOTES AND OBSERVATIONS

May activities were minimal with all site activities confined to previously disturbed areas. The Biological Monitor's duties were limited accordingly. The Biological Monitor remained on-call for most of the month. Although Phase 2 activities are ongoing (e.g. equipment delivery, pile driving, pile reinforcement, waterline installation), the Biological Monitor's duties will likely remain limited until full construction commences.

On May 3rd, additional cattle were released onto the Ecological Preserve, for a total of 9 cattle. The rancher estimates that there is enough feed atop Tulare Hill to support the cattle for approximately one more month. The cattle will likely be removed from the Ecological Preserve at the end of June 2003.

On the morning of May 5th, the Biological Monitor commenced relocation of an active house finch nest. The nest had been identified last month in a tarpaulin covering a stored turbine unit. The construction schedule required the tarpaulin to be removed in May. Therefore the Biological Monitor enacted a plan to relocate the nest into a nest box that could be gradually moved from the immediate work area. The mobile nest box consisted of a modified cardboard box attached to a camera tripod. The nest, with nestlings, was transferred to the box and the box was gradually moved further and further from the turbine unit. Each move of the nest box was performed only after successful visits from the adult birds. The nest was moved 5 feet the first day, 20 feet the second, and a final 20 feet by May 7th. The nest then remained in a location 45 feet away from the turbine unit and was monitored for continued adult visitation. On May 14th, the nest was found vacant with the chicks presumed to have fledged since the age of the chicks was appropriate for fledging.

On May 7th, MEC personnel discovered an additional house finch nest containing 3 eggs, inside a fire extinguisher box near the temporary construction offices. The nest will remain unless an emergency requires the use of the fire extinguisher.

APPENDIX A

Cumulative Wildlife Species Observed In or Near the Project Area

**Cumulative Wildlife Species Observed In or Near the Metcalf Energy Center Project
and Linear Facilities Area (May 2001 to May 31, 2003)**

Common Name	Scientific Name	Location
INSECTS		
Bay checkerspot butterfly	<i>Euphydryas editha</i> spp. <i>bayensis</i>	TH
Cabbage white butterfly	<i>Pieris rapae</i>	EC
Anise swallowtail butterfly	<i>Papilio zelicaon</i>	TH
Buckeye butterfly	<i>Precis coenia</i>	TH
Painted lady butterfly	<i>Vanessa cardui</i>	EC
Opler's longhorn moth	<i>Adela oplerella</i>	TH
Tarantula	<i>Euryopelma californicum</i>	TH
AMPHIBIANS AND REPTILES		
Pacific tree frog	<i>Hyla regilla</i>	TH, FC, EC
Arboreal salamander	<i>Aneides lugubris</i>	TH, EC
Western fence lizard	<i>Sceloporus occidentalis</i>	EC, TH, LA, FC
Side-blotched lizard	<i>Uta stansburiana</i>	EC
Southern alligator lizard	<i>Elgaria multicarinata</i>	EC, TH
Western skink	<i>Eumeces skiltonianus</i>	TH
Gopher snake	<i>Pituophis melanoleucus</i>	EC, LA, FC
BIRDS		
Pied-billed grebe	<i>Podilymbus podiceps</i>	FC, CC
American white pelican	<i>Pelecanus erythrorhynchos</i>	EC*
Double-crested cormorant	<i>Phalacrocorax auritus</i>	CC*
Canada goose	<i>Branta canadensis</i>	EC*, CC
Mallard	<i>Anas platyrhynchos</i>	FC, CC
Gadwall	<i>Anas strepera</i>	FC
Wood duck	<i>Aix sponsa</i>	FC, CC
Common merganser	<i>Mergus merganser</i>	FC
Hooded merganser	<i>Lophodytes cucullatus</i>	FC
American coot	<i>Fulica americana</i>	FC, CC
Great blue heron	<i>Ardea heroides</i>	FC
Green heron	<i>Butorides virescens</i>	FC, CC
Great egret	<i>Casmerodius albus</i>	FC
Turkey vulture	<i>Cathartes aura</i>	EC*, TH, LA
Killdeer	<i>Charadrius vociferus</i>	LA, LEA*, EC
Location:		
CC = Coyote Creek Riparian Corridor		TH = Tuleau Hill Ecological Reserve
EC = Metcalf Energy Center Plant Site		TC = Transmission Line Corridor
FC = Fisher Creek Riparian Corridor		WL = Waterline Corridor
GP = Gas Pipeline Corridor		LEA = Laydown Expansion Area
LA = Laydown Area		
Notes:		
*My observations otherwise not utilizing area resources		
**Non-active sign (e.g. carcass, feather, nest, track)		

**Cumulative Wildlife Species Observed In or Near the Metcalf Energy Center Project
and Linear Facilities Area (May 2001 to May 31, 2003) (Continued)**

Common Name	Scientific Name	Location
BIRDS (continued)		
White-tailed kite	<i>Elanus caeruleus</i>	FC
Northern harrier	<i>Circus cyaneus</i>	FC, TH
Golden eagle	<i>Aquila chrysaetos</i>	TH
Osprey	<i>Pandion haliaetus</i>	CC*, TH, EC, FC
Sharp-shinned hawk	<i>Accipiter striatus</i>	FC, TH
Cooper's hawk	<i>Accipiter cooperii</i>	CC, EC*, FC
Red-shouldered hawk	<i>Buteo lineatus</i>	EC, FC, LA, CC, LEA
Red-tailed hawk	<i>Buteo jamaicensis</i>	EC, FC, GP, TH, TL, CC
American kestrel	<i>Falco sparverius</i>	EC, TH
Prairie falcon	<i>Falco mexicanus</i>	TH
California quail	<i>Callipepla californica</i>	CC, GP
Spotted sandpiper	<i>Actitis macularia</i>	FC
Mourning dove	<i>Zenaida macroura</i>	EC, FC, TH, TL, CC
Rock dove	<i>Columba livia</i>	EC*, TH*
Anna's hummingbird	<i>Calypte anna</i>	TH, CC
Hummingbird sp.		EC, TH, FC
Belted kingfisher	<i>Ceryle alcyon</i>	FC, EC*, CC
Northern flicker	<i>Colaptes auratus</i>	EC, FC, TH
Nuttall's woodpecker	<i>Picoides nuttallii</i>	FC, FC**(nest), EC
Downy woodpecker	<i>Picoides pubescens</i>	EC, FC
Black phoebe	<i>Sayornis nigricans</i>	EC, FC, TL, LEA, CC
Say's phoebe	<i>Sayornis saya</i>	LEA
Western scrub-jay	<i>Aphelocoma californica</i>	EC, FC, LEA, CC
Common raven	<i>Corvus corax</i>	EC, TH, FC, CC
Horned lark	<i>Eremophila alpestris</i>	TH
Cliff swallow	<i>Petrochelidon pyrrhonota</i>	FC, FC**(nest), EC, TL
Barn swallow	<i>Hirundo rustica</i>	EC, LEA
Oak titmouse	<i>Baeolophus inornatus</i>	FC, CC
Chestnut-backed chickadee	<i>Poecile rufescens</i>	FC
Bushtit	<i>Psaltriparus minimus</i>	EC, FC, FC**(nest), GP, TL, CC
White-breasted nuthatch	<i>Sitta carolinensis</i>	FC
Location		
GC = Coyote Creek Riparian Corridor		TL = Toltec Hill Ecological Reserve
EC = Metcalf Energy Center Plant Site		TH = Transmission Line Corridor
FC = Fisher Creek Riparian Corridor		WL = Waterline Corridor
GP = Gas Pipeline Corridor		LEA = Laydown Expansion area
LA = Laydown Area		
Notes		
* Flyovers or otherwise not utilizing area resources		
** Non-active sign (i.e. carcass, feather, nest, track)		

**Cumulative Wildlife Species Observed In or Near the Metcalf Energy Center Project
and Linear Facilities Area (May 2001 to May 31, 2003) (Continued)**

Common Name	Scientific Name	Location		
BIRDS (CONTINUED)				
Bewick's wren	<i>Thryomanes bewickii</i>	FC, TH, CC		
Rock wren	<i>Salpinctes obsoletus</i>	FC, TH		
Ruby-crowned kinglet	<i>Regulus calendula</i>	TH, FC, CC		
Northern mockingbird	<i>Mimus polyglottos</i>	EC, FC		
Western bluebird	<i>Sialia mexicana</i>	FC, CC, EC, LEA		
American robin	<i>Turdus migratorius</i>	LA, EC, CC		
Loggerhead shrike	<i>Lanius ludovicianus</i>	TH, FC, EC		
Western kingbird	<i>Tyrannus verticalis</i>	CC		
European starling	<i>Strunus vulgaris</i>	LEA, FC, EC		
Rose-breasted grosbeak	<i>Pheucticus ludovicianus</i>	EC		
California towhee	<i>Pipilo crissalis</i>	EC, TH, FC, CC		
Dark-eyed junco	<i>Junco hyemalis</i>	FC, TH, CC		
White-crowned sparrow	<i>Zonotrichia leucophrys</i>	EC, FC, TH, CC		
Song sparrow	<i>Melospiza melodia</i>	EC, LA, LEA, FC		
Yellow-rumped warbler	<i>Dendroica magnolia</i>	TH, FC, CC		
Western meadowlark	<i>Sturnella neglecta</i>	EC, LA, TH		
Red-winged blackbird	<i>Agelaius phoeniceus</i>	FC		
Brewer's blackbird	<i>Euphagus cyanocephalus</i>	FC, EC, CC		
Bullock's oriole	<i>Icterus bullockii</i>	FC, FC**(nest), CC		
House finch	<i>Carpodacus mexicanus</i>	EC, LA**, CC, FC		
American goldfinch	<i>Carduelis tristis</i>	LEA		
Lesser goldfinch	<i>Carduelis psaltria</i>	EC, FC, CC, TH		
House sparrow	<i>Passer domesticus</i>	EC, FC, CC		
MAMMALS				
Common raccoon	<i>Procyon lotor</i>	FC**(track)		
Striped skunk	<i>Mephitis mephitis</i>	TH**(track)		
Opossum	<i>Didelphis marsupialis</i>	EC		
Coyote	<i>Canis latrans</i>	TH		
Feral cat	<i>Felis catus</i>	EC		
Bobcat	<i>Lynx rufus</i>	CC** (carcass)		
California ground squirrel	<i>Spermophilus beechyi</i>	EC, FC, TH, TL		
Western gray squirrel	<i>Sciurus griseus</i>	FC		
Location:				
CC = Coyote Creek Riparian Corridor	TH = Tulare Hill Ecological Reserve			
FC = Metcalf Energy Center Project Site	TL = Transmission Line Corridor			
GC = Gishen Creek Riparian Corridor	WL = Water Line Corridor			
GP = Gas Pipeline Corridor	DPA = Drydown Expansion area			
LA = Laydown Area				
Notes:				
*Fly over or otherwise not utilizing area resources.				
**Non-active sightings (i.e. carcass, feather, nest, track)				

**Cumulative Wildlife Species Observed In or Near the Metcalf Energy Center Project
and Linear Facilities Area (May 2001 to May 31, 2003) (Continued)**

Common Name	Scientific Name	Location
MAMMALS (CONTINUED)		
Valley pocket gopher	<i>Thomomys bottae</i>	LA** (carcass)
California vole	<i>Microtus californicus</i>	FC, EC
Deer mouse	<i>Peromyscus maniculatus</i>	TH
Norway Rat	<i>Rattus norvegicus</i>	EC
Common muskrat	<i>Ondatra zibethicus</i>	FC
Black-tailed jackrabbit	<i>Lepus californicus</i>	EC, TH
Feral pig	<i>Sus scrofa</i>	CC** (carcass)
Mule (black-tailed) deer	<i>Odocoileus hemionus</i>	FC, GP, CC
Location		
GC = Coyote Creek Riparian Corridor	TH = Tularcitos Hill Ecological Preserve	
MC = Metcalf Energy Center Plant Site	TC = Transmision Line Corridor	
FC = Fisher Creek Riparian Corridor	WL = Water Line Corridor	
GP = Gas Pipe Line Corridor	LEA = Laydown expansion area	
LA = Laydown Area		
Notes		
* Elusive or otherwise not utilizing area resources		
** Nonactive signs (i.e. carcass, feather, nest, track)		

APPENDIX B

WEAT Sign-In Sheets

METCALF ENERGY CENTER
ENVIRONMENTAL TRAINING
SIGN-IN SHEET
(Biology, Archaeology, & Paleontology)

DATE: 5/7/03

PLEASE NOTE:

By signing below, I acknowledge that I have attended the Worker Environmental Awareness Training Program for the Metcalf Energy Center Project, and I agree to comply with all the environmental requirements presented.

Name (print)	Name (signature)	Company
JIMMY LE	<u>Jimmy Le</u>	MILLER PIPELINE CORP.
ELIAS SEANURA	<u>Elias Seanura</u>	AIMS
ALBERTO AFUARO	<u>Alberto Afuaro</u>	MILLER PIPELINE CORP.
Francisco Reynosa	<u>Francisco Reynosa</u>	MILLER PIPELINE CORP.

Instructor/s:

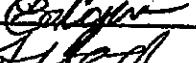
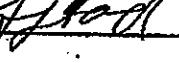
WEAT VIDEO (Administered by) Connie Conway

METCALF ENERGY CENTER
ENVIRONMENTAL TRAINING
SIGN-IN SHEET
(Biology, Archaeology, & Paleontology)

DATE: 5-8-03

PLEASE NOTE:

By signing below, I acknowledge that I have attended the Worker Environmental Awareness Training Program for the Metcalf Energy Center Project, and I agree to comply with all the environmental requirements presented.

Name (print)	Name (signature)	Company
Anthony DiGeron		swpc
Edgar Mynett		Posenel
Israel G. Kivis		HOSE

Instructor/s:

WEAT VIDEO Administered by Connie Gray

METCALF ENERGY CENTER
ENVIRONMENTAL TRAINING
SIGN-IN SHEET
(Biology, Archaeology, & Paleontology)

DATE: 5-8-03

PLEASE NOTE:

By signing below, I acknowledge that I have attended the Worker Environmental Awareness Training Program for the Metcalf Energy Center Project, and I agree to comply with all the environmental requirements presented.

	Name (print)	Name (signature)	Company
1	EM RODRIGUEZ	<i>Em Rodriguez</i>	SIGNET 60359 11
3	Zantina Orchoa	<i>Zantina Orchoa</i>	Signet 60358 15
2	MICHAEL KENNEDY	<i>Michael Kennedy</i>	GRANITEOCK 60357 15
1	MATT McPHARIN	<i>Matt McPharin</i>	GRANITEOCK 60356 15

Instructors:

WEAT VIDEO Administered by Terence Robertson (SAC)
Kristen O'Kane (Liaison)

METCALF ENERGY CENTER
ENVIRONMENTAL TRAINING
SIGN-IN SHEET
(Biology, Archaeology, & Paleontology)

DATE: 5/12/03

PLEASE NOTE:

By signing below, I acknowledge that I have attended the Worker Environmental Awareness Training Program for the Metcalf Energy Center Project, and I agree to comply with all the environmental requirements presented.

Name (print)	Name (signature)	Company
Jeremiah Moon	<u>Jeremiah Moon</u>	Matamoros Pipelines
John Martinez	<u>John Martinez</u>	Matamoros Pipelines

Instructor/s:

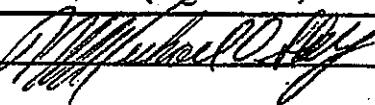
WEAT VIDEO (Administered by Kristen O'Kane)

**METCALF ENERGY CENTER
ENVIRONMENTAL TRAINING
SIGN-IN SHEET**
(Biology, Archaeology, & Paleontology)

DATE: 051802

PLEASE NOTE:

By signing below, I acknowledge that I have attended the Worker Environmental Awareness Training Program for the Metcalf Energy Center Project, and I agree to comply with all the environmental requirements presented.

Name (print)	Name (signature)	Company
Michael D. Shay		Miller Thompson

Instructor/s:

WEAT VIDEO (Administered by Connie Conway)

METCALF ENERGY CENTER
ENVIRONMENTAL TRAINING
SIGN-IN SHEET
(Biology, Archaeology, & Paleontology)

DATE: 5-16-03

PLEASE NOTE:

By signing below, I acknowledge that I have attended the Worker Environmental Awareness Training Program for the Metcalf Energy Center Project, and I agree to comply with all the environmental requirements presented.

Name (print)	Name (signature)	Company
Gary A. Jones	Gary A. Jones	Mutual Marso
David Shortwell	David Shortwell	Calpine

Instructor(s):

WEAT VIDEO (Administered by Connie Conway)

METCALF ENERGY CENTER
ENVIRONMENTAL TRAINING
SIGN-IN SHEET
(Biology, Archaeology, & Paleontology)

DATE: 5-20-03

PLEASE NOTE:

By signing below, I acknowledge that I have attended the Worker Environmental Awareness Training Program for the Metcalf Energy Center Project, and I agree to comply with all the environmental requirements presented.

Name (print)	Name (signature)	Company
Enrique Maldonado	<u>E. maldonado</u>	Citizen Hill
Steven Fischer	<u>Steven Fischer</u>	Calpine

Instructor/s:

WEAT VIDEO Administered by Connie Conrad

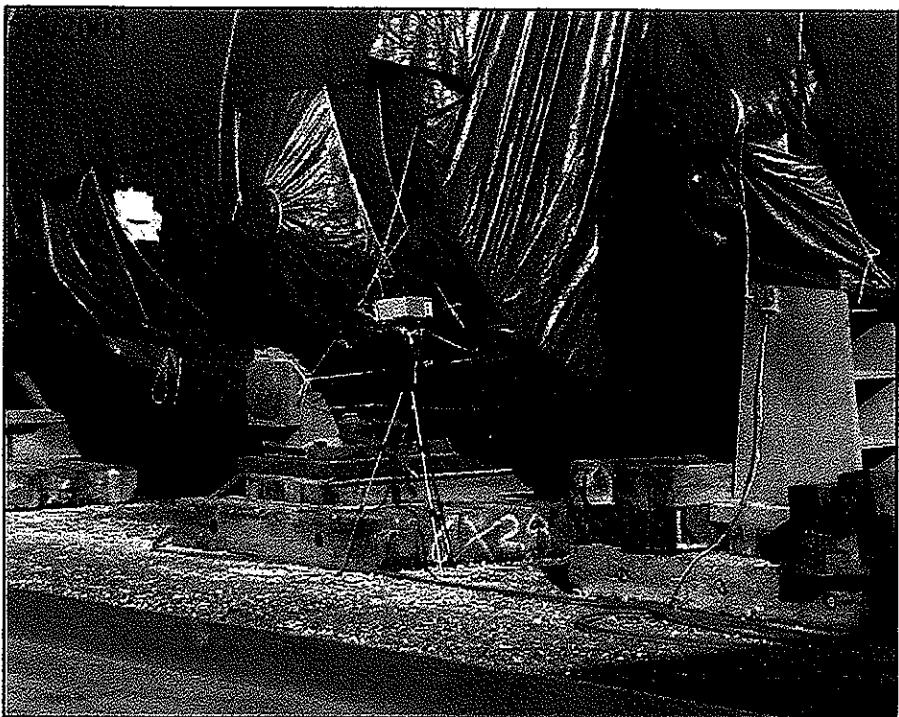
APPENDIX C

Photographs

5/14/2003



Installation of Re-Circulation Water Line



Finch Nest Relocation

CONDITION OF CERTIFICATION CUL-7
WEEKLY SCHEDULES

METCALF ENERGY CENTER
MONTHLY COMPLIANCE REPORT #20

.00202	Pour Concrete In Steam Turbine Platform	14MAY03	14MAY03	► Pour Concrete In Steam Turbine Platform
.00204	Place Rebar In Dead End Structure	15MAY03	16MAY03	► Place Rebar In Dead End Structure
.00206	Place Concrete In Dead End Structure	19MAY03	19MAY03	► Place Concrete In Dead End Structure
.00208	Pour Concrete in Ammonia Storage Tank	21MAY03	21MAY03	► Pour Concrete in Ammonia Storage Tank
.00210	Place Rebar In Raw Water Storage Tank	22MAY03	23MAY03	► Place Rebar In Raw Water Storage Tank
.00209	Pour Concrete In Raw Water Storage Tank	26MAY03	26MAY03	► Pour Concrete In Raw Water Storage Tank
.00211	Place Concrete In Boiler Feed Pumps	02JUN03	02JUN03	► Place Concrete In Boiler Feed Pumps
C00100	Install Temp Facility Elec System	22MAY03*	11JUN03	► Install Temp Facility Elec System
1001	BREI Release Feed Water Pump Piles	27SEP02A	27SEP02A	
1002	BREI Release ST Pedestal Piles	03OCT02A	03OCT02A	
1005	BREI Release ST Platform Piles	25OCT02A	25OCT02A	
1027	Redesign the Storm Basin Riser	28OCT02A	15NOV02A	
1003	BREI Release Cooling Tower Pump Pit Piles	01NOV02A	01NOV02A	
1004	BREI Release Cooling Tower Inlet Header Piles	01NOV02A	01NOV02A	
1006	BREI Release HRSG Piles	07NOV02A	07NOV02A	
008	BREI Release ST GSU Piles	27NOV02A	27NOV02A	
011	BREI Release Pipe Rack Piles	27NOV02A	27NOV02A	
012	BREI Release Screen Wall Piles	20JAN03A	20JAN03A	
013	BREI Release Ammonia Storage Piles	21APR03A	22APR03A	► BREI Release Ammonia Storage Piles
014	BREI Release Raw Water Tank Piles	21APR03A	22APR03A	► BREI Release Raw Water Tank Piles
015	BREI Release Demin Water Tank Piles	21APR03A	22APR03A	► BREI Release Demin Water Tank Piles
016	BREI Release Gas Compressor Piles	01MAY03	01MAY03	► BREI Release Gas Compressor Piles
100010	Construct the Storm Water Outfall	16SEP02A	18OCT02A	
100020	Touchup Hydroseed	04NOV02A	04NOV02A	
100030	Install Temp Storm Water Drainage System	28NOV02A	09DEC02A	
100050	Cut Cooling Tower Heave to BOC	26DEC02A	27DEC02A	
00040	Cut Pipe Racks and HRSG to BOC	28DEC02A	30DEC02A	
00080	Clean out CT Foundation Pit	27DEC02A	27DEC02A	
00070	Cut First Third of STG GSU to BOC	03JAN03A	03JAN03A	
00100	CKD treat the project site	08JAN03A	08JAN03A	
00080	Cut Second Third of STG GSU to BOC	08JAN03A	08JAN03A	
00060	Cut ST Pedestal to BOC	15JAN03A	15JAN03A	
00110	Cut Last Third of STG GSU to BOC	16JAN03A	16JAN03A	
20120	Install Remainer of Construction Fence	04FEB03A	12FEB03A	
20160	Cut ST GSU to BOC	26FEB03A	26FEB03A	
20130	Grade to Subgrade the Temp Facilities Area	15MAY03*	04JUN03	► Grade to Subgrade the Temp Facilities Area
13MAY02	Early Bar			
17JUL03	Progress Bar			
01MAY03 12:45	Critical Activity			

Sheet 3 of 4

1

Approved

Checked

Date

Revision

MEC 3 Week Rolling Schedule

✓
TENTATIVE
✓

MET3

L002022	Pour Concrete In Steam Turbine Platform	04JUN03	04JUN03	► Pour Concrete In Steam Turbine Platform
L002024	Place Rebar In Dead End Structure	05JUN03	06JUN03	► Place Rebar In Dead End Structure
L002020	Place Concrete In Dead End Structure	08JUN03	09JUN03	► Place Concrete In Dead End Structure
L002115	Remove Sheet Piling	03JUN03	16JUN03	► Remove Sheet Piling
L002028	Pour Concrete In Ammonia Storage Tank	11JUN03	11JUN03	► Pour Concrete In Ammonia Storage Tank
L002010	Place Rebar in Raw Water Storage Tank	12JUN03	13JUN03	► Place Rebar In Raw Water Storage Tank
L002029	Pour Concrete In Raw Water Storage Tank	16JUN03	16JUN03	► Pour Concrete In Raw Water Storage Tank
L002111	Place Concrete in Boiler Feed Pumps	23JUN03	23JUN03	► Place Concrete In Boiler Feed Pumps
EC00100	Install Temp Facility Elec System	28MAY03*	18JUN03	► Install Temp Facility Elec System
EI001	BREI Release Feed Water Pump Piles	27SEP02A	27SEP02A	
EI002	BREI Release ST Pedestal Piles	03OCT02A	03OCT02A	
EI005	BREI Release ST Platform Piles	25OCT02A	25OCT02A	
EI027	Redesign the Storm Basin Riser	28OCT02A	15NOV02A	
EI003	BREI Release Cooling Tower Pump Pit Piles	01NOV02A	01NOV02A	
EI004	BREI Release Cooling Tower Inlet Header Piles	01NOV02A	01NOV02A	
EI006	BREI Release HRSG Piles	07NOV02A	07NOV02A	
EI008	BREI Release ST GSU Piles	27NOV02A	27NOV02A	
EI011	BREI Release Pipe Rack Piles	27NOV02A	27NOV02A	
EI012	BREI Release Screen Wall Piles	20JAN03A	20JAN03A	► BREI Release Ammonia Storage Piles
EI013	BREI Release Ammonia Storage Piles	21APR03A	22APR03A	► BREI Release Raw Water Tank Piles
EI014	BREI Release Raw Water Tank Piles	21APR03A	22APR03A	► BREI Release Demin Water Tank Piles
EI015	BREI Release Demin Water Tank Piles	21APR03A	22APR03A	► BREI Release Gas Compressor Piles
EI016	BREI Release Gas Compressor Piles	01MAY03A	02MAY03A	
H00010	Construct the Storm Water Outfall	16SEP02A	18OCT02A	
H00020	Touchup Hydroseed	04NOV02A	04NOV02A	
H00030	Install Temp Storm Water Drainage System	26NOV02A	08DEC02A	
H00050	Cut Cooling Tower Heave to BOC	26DEC02A	27DEC02A	
H00040	Cut Pipe Racks and HRSG to BOC	28DEC02A	30DEC02A	
H00080	Clean out CT Foundation Pit	27DEC02A	27DEC02A	
H00070	Cut First Third of STG GSU to BOC	03JAN03A	03JAN03A	
H00100	CKD treat the project site	08JAN03A	08JAN03A	
H00080	Cut Second Third of STG GSU to BOC	09JAN03A	09JAN03A	
H00060	Cut ST Pedestal to BOC	15JAN03A	15JAN03A	
H00110	Cut Last Third of STG GSU to BOC	16JAN03A	16JAN03A	
H00120	Install Remainder of Construction Fence	04FEB03A	12FEB03A	
H00160	Cut ST GSU to BOC	26FEB03A	26FEB03A	
Site	13MAY02	17JUL03	MET3	
Date	22MAY03	22MAY03	Early Bar	
Site	22MAY03 07:28	22MAY03	Progress Bar	
Site			Critical Activity	
				Sheet 3 of 4
				Date
				Checked
				Approved

MEC 3 Week Rolling Schedule
Rolling 3 Week Schedule

TH001130	Grade to Subgrade the Temp Facilities Area	22MAY03*	11JUN03
TH001140	Install Finish Grade Fabric and Rock	05JUN03	25JUN03
TH001180	Outfall Construction	18JUN03*	20JUN03
IMECH1015	Mobilize Crane	28APR03A	28APR03A
IMECH1000	Holiday Test Pipe	28APR03A	30APR03A
IMECH1010	Survey Trench	28APR03A	30APR03A
MECH1030	Relocate Pipe Closer to Trench	28APR03A	30APR03A
MECH1035	Pour Concrete in Bottom of Trench	28APR03A	30APR03A
MECH1005	Install Handrail	02MAY03A	05MAY03A
MECH1025	Excavate for Bell Holes	06MAY03A	06MAY03A
MECH1055	Install Pipe Bedding	06MAY03A	06MAY03A
MECH1020	Prep Joints For Welding	08MAY03A	03JUN03
MECH1095	Install Risers	13MAY03A	27MAY03
MECH1045	Move and set Pipe	13MAY03A	04JUN03
MECH1080	Weld Pipe	22MAY03	04JUN03
MECH1050	Install Temp Facility Elec System	22MAY03	11JUN03
MECH1090	Install Cathodic Protection	22MAY03*	26MAY03
MECH1085	Backfill to Spring Line of Pipe	22MAY03*	28MAY03
MECH1065	Air Test Joints	22MAY03*	04JUN03
MECH1075	Coat Outside of Pipe Joint	22MAY03*	04JUN03
MECH1080	Fill Bell Holes with Flowable Fill	22MAY03*	22MAY03
MECH1100	Install Covers on Flanges	28MAY03*	28MAY03
MECH1070	Grout Inside of Pipe Joints	28MAY03*	06JUN03
MECH1105	Backfill Remainder of Pipe	27MAY03	02JUN03*
Y0010	Assembly Gantry	17JAN03A	17JAN03A

Grade to Subgrade the Temp Facilities Area		Install Finish Grade Fabric and Rock		Outfall Construction	
IMECH1015	Mobilize Crane	✓	✓	✓	✓
IMECH1000	Holiday Test Pipe	✓	✓	✓	✓
IMECH1010	Survey Trench	✓	✓	✓	✓
MECH1030	Relocate Pipe Closer to Trench	✓	✓	✓	✓
MECH1035	Pour Concrete in Bottom of Trench	✓	✓	✓	✓
MECH1005	Install Handrail	✓	✓	✓	✓
MECH1025	Excavate for Bell Holes	✓	✓	✓	✓
MECH1055	Install Pipe Bedding	✓	✓	✓	✓
MECH1020	Prep Joints For Welding	✓	✓	✓	✓
MECH1095	Install Risers	✓	✓	✓	✓
MECH1045	Move and set Pipe	✓	✓	✓	✓
MECH1080	Weld Pipe	✓	✓	✓	✓
MECH1050	Install Temp Facility Elec System	✓	✓	✓	✓
MECH1090	Install Cathodic Protection	✓	✓	✓	✓
MECH1085	Backfill to Spring Line of Pipe	✓	✓	✓	✓
MECH1065	Air Test Joints	✓	✓	✓	✓
MECH1075	Coat Outside of Pipe Joint	✓	✓	✓	✓
MECH1080	Fill Bell Holes with Flowable Fill	✓	✓	✓	✓
MECH1100	Install Covers on Flanges	✓	✓	✓	✓
MECH1070	Grout Inside of Pipe Joints	✓	✓	✓	✓
MECH1105	Backfill Remainder of Pipe	✓	✓	✓	✓
Y0010	Assembly Gantry	✓	✓	✓	✓

Activity	Date	Early Bar	Progress Bar	Critical Activity
IMECH1015	13MAY02	17JUL03	22MAY03	
IMECH1000	13MAY02	17JUL03	22MAY03	
IMECH1010	13MAY02	17JUL03	22MAY03	
MECH1030	13MAY02	17JUL03	22MAY03	
MECH1035	13MAY02	17JUL03	22MAY03	
MECH1005	13MAY02	17JUL03	22MAY03	
MECH1025	13MAY02	17JUL03	22MAY03	
MECH1055	13MAY02	17JUL03	22MAY03	
MECH1020	13MAY02	17JUL03	22MAY03	
MECH1095	13MAY02	17JUL03	22MAY03	
MECH1045	13MAY02	17JUL03	22MAY03	
MECH1080	13MAY02	17JUL03	22MAY03	
MECH1050	13MAY02	17JUL03	22MAY03	
MECH1090	13MAY02	17JUL03	22MAY03	
MECH1085	13MAY02	17JUL03	22MAY03	
MECH1065	13MAY02	17JUL03	22MAY03	
MECH1075	13MAY02	17JUL03	22MAY03	
MECH1080	13MAY02	17JUL03	22MAY03	
MECH1100	13MAY02	17JUL03	22MAY03	
MECH1070	13MAY02	17JUL03	22MAY03	
MECH1105	13MAY02	17JUL03	22MAY03	
Y0010	13MAY02	17JUL03	22MAY03	

MET3

Sheet 4 of 4

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Date

MEC 3 Week Rolling Schedule
Rolling 3 Week Schedule

CONDITION OF CERTIFICATION PAL-4
PALEO MONTHLY SUMMARY REPORT

METCALF ENERGY CENTER
MONTHLY COMPLIANCE REPORT #20

**Metcalf Energy Center Project
Paleontological Resource Monitoring and Mitigation Program**

Monthly Report

Project Name: Metcalf Energy Center (MEC)

Project Number: 01-17

Clients: Calpine/CH2M Hill

Month: May 2003

Designated Paleontological Resource Specialist: Dr. Lanny H. Fisk, PhD, RG

Monthly Report for May 2003:

During the month of May 2003, PaleoResource Consultants (PRC) continued to work with Calpine Corporation through its environmental consultants, CH2M Hill, to mitigate potential adverse impacts to paleontological resources (fossils) which might result from construction of the Metcalf Energy Center (MEC) and associated linear facilities (including a natural gas pipeline, cooling-water supply line, and electrical transmission line) all located in south San Jose, California. In its Conditions of Certification (COCs) for MEC, the California Energy Commission (CEC) mandated that Calpine adopt Society of Vertebrate Paleontology (SVP) standard guidelines for the mitigation of construction-related adverse impacts on paleontological resources. In compliance with SVP standard guidelines, in September 2002 we recommended reducing paleontological monitoring at the MEC plant site to only spot checking specific deep excavations that would impact previously undisturbed sediment. The CEC approved this reduced monitoring plan.

During May 2003, the only deep excavation requiring monitoring consisted of a 15 to 25 feet wide and 14 feet deep trench for the recirculated water line. This trench was originally excavated to a depth of approximately 13 feet in April, but in May it was deepened an additional foot. While monitoring deepening of the trench, the only paleontological resources discovered by PRC paleontological monitor Jaspal Saini were several large pieces of charcoaled fossil wood. Samples of this fossil wood were collected for possible identification and radiocarbon dating. Because the charcoaled fossil wood was associated with scattered reddish-brown burnt rocks, the site was interpreted as possibly recording a forest fire. Since the site is overlain by approximately three (3) feet of engineered fill, the fossil wood was collected from the depth of approximately 11 feet below the original ground surface.

Excavations for the natural-gas pipeline, cooling-water pipeline, and electrical transmission line are not scheduled to start until later this summer. Full-time paleontological monitoring will be done at the beginning of excavations for each of these linear facilities. Then, in compliance with SVP standard guidelines, once one-half the excavations for each of these facilities is completed and if no significant fossils have been discovered, monitoring will be reduced to half-time, quarter-time, spot-checking, or suspended entirely. As startup of construction for these portions of the project nears, Calpine will contact PRC with specific dates.

Calpine Environmental Compliance Manager Kristen O'Kane continues to notify us regarding any scheduled excavations that would impact previously undisturbed sediments, asking if we think that paleontological monitoring is necessary. In most cases, since these excavations would only impact a few feet of undisturbed sediments and since paleontological resources have not previously been discovered at such shallow depths, we have responded that, in our professional opinion, no monitoring is necessary. However, PRC paleontological monitors are available and "on-call" to monitor or spot check any deeper excavations at the MEC plant site or other earth-moving activities related to the MEC project.

CONDITION OF CERTIFICATION SOCIO-1
LIST OF PLANNED PROCUREMENT

METCALF ENERGY CENTER
MONTHLY COMPLIANCE REPORT #20

SOCIO-1: List of planned procurement of materials or hiring outside the local regional area during the next two months.

Material/equipment	Manufacturer	Point of Origin	Reason
Sample panel for water treatment system	Out for bid		
Compressed air system	Issued for bid		
Miscellaneous horizontal pumps	In bid evaluation		
Closed cooling water heat exchanger	In bid evaluation		
Continuous emissions monitoring system	In bid evaluation		
Oil and water separator	In bid evaluation		
Standby generator	In bid evaluation		
Fire pumps	In bid evaluation		
Shop fabricated tanks	In bid evaluation		

COMPLIANCE MATRIX

METCALF ENERGY CENTER
MONTHLY COMPLIANCE REPORT #20

METCALF ENERGY CENTER - COMPLIANCE MATRIX						
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO
START OF MOBILIZATION/ROUGH GRADING	11/14/2002					
START OF CONSTRUCTION	9/11/2002					
AQ-1	Minimize emissions of carbon monoxide (CO) and nitrogen oxides (NOx) from S-1 and S-3 GTs; and S-2 and S-4 HRSGs.	In Monthly Compliance Report indicate how this condition is being implemented.	Monthly Compliance Report			
AQ-2	Tune combustors of S-1 & S-3 GTs and S-2 and S-4 HRSGs duct burners to minimize emissions of CO and NOx.	In Monthly Compliance Report indicate how this condition is being implemented.	Monthly Compliance Report			
AQ-3	Install, adjust, and operate A-1 and A-2 SCR Systems to minimize emissions of CO and NOx from S-1 and S-3 GTs and S-2 and S-4 (HRSGs).	In Monthly Compliance Report indicate how this condition is being implemented.	Monthly Compliance Report			
AQ-4	With steady-state operation of A-1& A-2 SCR systems shall comply with NOx and CO emission limitations.	In Monthly Compliance Report indicate how this condition is being implemented.	Monthly Compliance Report			
AQ-5	Submit plan to DPSD and CPM describing procedures to be followed during commissioning of GTs, HRSGs, and STGs.	At least 28 days prior to first firing of the gas turbines, submit a complete commissioning plan	28 days prior to first fire of Gas Turbines			
AQ-6	Demonstrate compliance with conditions 8-10 through the use of properly operated and maintained CEMS and data recorders.	In Monthly Compliance Report indicate how this condition is being implemented.	Monthly Compliance Report			
AQ-7	Install, calibrate, operate District approved CEMS monitors prior to first firing of GT's and HRSGs.	In Monthly Compliance Report indicate how this condition is being implemented.	Monthly Compliance Report			
AQ-8	Total no. of firing hours for S-1 GT and S-2 HRSG without abatement of A-1 SCR shall not exceed 300 hours during commissioning.	In the MCR indicate the cumulative number of firing without SCR. Submit a copy of the completion notice to CPM.	Monthly Compliance Report			
AQ-9	Total no. of firing hours for S-3 GT and S-4 HRSG without abatement of A-3 SCR shall not exceed 300 hrs during commissioning period.	In the MCR indicate the cumulative number of firing without SCR. Submit a copy of the compilation notice to the CPM	Monthly Compliance Report			
AQ-10	Total mass emissions of NOx, CO, POC, PM10, and SO2 emitted by the GTs and HRSGs during the commissioning period shall accue towards the consecutive 12-month emission limitations.	In the MCR indicate the cumulative number of firing without SCR. Submit a copy of the compilation notice to the CPM.	Monthly Compliance Report			
AQ-11	Combined daily emissions from GTs and HRSGs shall not exceed the following during the commissioning period: NOx = 4805; CO = 11,498; POC = 485; PM10 = 488; SO2= 42.	In the monthly compliance report indicate any violations of the emission limits	Monthly Compliance Report			
AQ-12	Submit to District and CPM a detail source test plan and conduct District and CEC approved source test using external CEMs to determine compliance with Condition 21.	20 working days before the execution of the source tests, submit to the District and CPM a detailed source test plan designed to satisfy the requirements of this condition.	20 days prior to source test per AQ-12	Within 30 days of source tests per AQ-12 complete		
AQ-12	Submit to District and CPM a detail source test plan and conduct District and CEC approved source test using external CEMs to determine compliance with Condition 21.	Notify the District and the CEC CPM.	Within seven (7) working days prior to the planned testing date			
AQ-12	Submit to District and CPM a detail source test plan and conduct District and CEC approved source test using external CEMs to determine compliance with Condition 21.					

METCALF ENERGY CENTER: COMPLIANCE MATRIX							
START OF MOBILIZATION/ROUGH GRADING		1/14/2002					
START OF CONSTRUCTION		9/1/2002					
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO	Status/Comments
AQ-13	GTs (S-1, S-3) and HRSG (S-2, S-4) shall be fired exclusively on natural gas. (BACT for SO ₂ and PM10)	As part of the semiannual Air Quality Reports, indicate the date, time, and duration of any violation of this condition.	Semiannual Air Quality Reports				
AQ-14	Combined heat input rate of each power train (S-1 & S-2, S-3 & S-4) shall not exceed 2,124 MMBtu/hr (3-hour rolling average). (PSD for NO _x)	As part of the Air Quality monthly Reports, include information on the date and time when the hourly fuel consumption exceed this hourly limit.	Monthly Air Quality Reports				
AQ-15	Combined heat input rate of each power train (S-1 & S-2 and S-3 & S-4) shall not exceed 49,908 MMBtu/day. (PSD for PM10)	As part of the Air Quality monthly Reports, include information on the date and time when the hourly fuel consumption exceed this daily limit.	Monthly Air Quality Reports				
AQ-16	Combined cumulative heat input rate of GTs (S-1, S-3) and HRSGs (S-2, S-4) shall not exceed 35,274,060 MMBtu/yr. (Offsites)	As part of the Air Quality annual Reports, include information on the date and time when the annual cumulative fuel consumption exceed this annual limit.	Annual Air Quality Reports				
AQ-17	HRSGs (S-2, S-4) duct burners shall not be fired unless associated GTs (S-1, S-3) are in operation. (BACT for NO _x)	As part of the Air Quality Reports, include information on the date, time, and duration of any violation of this permit condition.	Monthly Air Quality Reports				
AQ-18	GT/HRSG (S-1/S-2) shall be abated by the A-1 SCR system whenever fuel is combusted in these units and the A-1 catalyst bed has reached min. operating temperature.	As part of the semiannual Air Quality Reports, provide information on any major problem in the operation of the Oxidizing Catalyst and Selective Catalytic Reduction Systems for the Gas Turbines and HRSGs.	Semiannual Air Quality Reports				
AQ-19	GT/HRSG (S-3/S-4) shall be abated by the A-2 SCR system whenever fuel is combusted in these units and the A-2 catalyst bed has reached min. operating temperature.	As part of the semiannual Air Quality Reports, provide info. on any major problem in the operation of the Oxidizing Catalyst and Selective Catalytic Reduction Systems for the Gas Turbines and HRSGs.	Semiannual Air Quality Reports				
AQ-20(a)	Emission requirements: Emission Point P-1 NO _x = 19.2 lbs/hr [0.00904 lbs/MMBTu (HHV) of nat. gas fired]; Emission Point P-2 NO _x = 19.2 lbs/hr [0.00904 lbs/MMBTu (HHV) of nat. gas fired].	NO _x Emission concentration = 2.5 ppmv (corrected (BACT for NO _x))	Same as above	Semiannual Air Quality Reports			
AQ-20(b)	CO mass emission = 28.07 lbs/hr (at any 3-hour rolling avg.) (Emission Point P-1, P-2).	Same as above	Semiannual Air Quality Reports				
AQ-20(c)	When the heat input to a CT exceeds 1700 MMBTU/hr (HHV), the CO emission concentration shall not exceed 6.0 ppmvd on dry basis and the CO mass emission rate shall not exceed 0.0132 lb/MMBTU at any 3-hr rolling average.	Same as above	Semiannual Air Quality Reports				
AQ-20(d)	Ammonia (NH ₃) emission concentration shall not exceed 5 ppmvd on dry basis, at any 3-hour rolling avg. Ammonia injection rate to A-1, A-2 to be verified through continuous recording of rate.	Same as above	Semiannual Air Quality Reports				
AQ-20(e)							

METCALF ENERGY CENTER - COMPLIANCE MATRIX						
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO
START OF MOBILIZATION/ROUGH GRADING	1/14/2002					
START OF CONSTRUCTION	9/1/2002					
AQ-20(f)	Precursor organic compounds (POC) mass emissions (as CH ₄) shall not exceed 2.7 lbs/hr or 0.00126 lbs/MMBTU of natural gas fired. (Emission points P-1, P-2). Sulfur dioxide (SO ₂) mass emissions at P-1, P-2 each shall not exceed 1.28 pounds per hour or 0.006 lb/MM BTU of natural gas fired. (BACT)	Same as above	Semiannual Air Quality Reports			
AQ-20(g)	PM10 mass emission s at P-1, P-2 each shall not exceed 9 pounds per hour or 0.00452 lb PM10/MM BTU. Particulate matter (PM10) mass emissions at P-1, P-2 each shall not exceed 12 pounds per hour or 0.00565 lb PM10/MM BTU, when HRSG duct burners are in operation.	Same as above	Semiannual Air Quality Reports			
AQ-21	GT (S-1, S-3) Start-up and Shutdown emission rates. Same as above		Semiannual Air Quality Reports			
AQ-22	Not more than one GT (S-1, S-2) shall be in start-up mode at any one time.	In the monthly compliance report indicate how this condition is being implemented.	Monthly Compliance Report			
AQ-23	HRSGs and ducting shall be designed such that an oxidation catalyst shall be readily installed if deemed necessary by APCO to insure compliance with CO emissions rates.	In the semiannual compliance report indicate how this condition is being implemented	Semiannual Air Quality Reports			
AQ-24	Total combined emissions in lbs/day, from GTs and HRSGs (S-1, S-2, S-3, S-4), including start-up and shutdown.	As part of the semiannual Air Quality Reports, indicate the date of any violation of this Condition including quantitative information on the severity of the violation.	Semiannual Air Quality Reports			
AQ-25	Cumulative combined emissions in tons/yr for a consecutive 12-month period, from GTs and HRSGs shall not exceed NO _x = 123.4 (offsets), CO=588, POC=28 (offsets), PM10=91.3 (offsets), SO ₂ =10.6 (cumulative increase).	As part of the semiannual Air Quality Reports, indicate the date of any violation of this Condition including quantitative information on the severity of the violation.	Semiannual Air Quality Reports			
AQ-26	Maximum projected combined annual toxic air contaminant emissions from GTs and HRSGs (S-1, S-2, S-3, S-4). (a) formaldehyde = 3.796 lbs/yr (b) Benzene = 480 lbs/yr (c) PAHs=22.8 lbs/yr	As part of the annual Air Quality Reports, indicate the date, duration, and severity of any violation including quantitative information on the severity of the violation.	Annual Air Quality Reports			
AQ-26	Perform health risk assessment using emission rates per BAAQMD approved procedures and submit risk analysis to District and CPM.	As part of the annual Air Quality Reports, indicate the date of any violation of this Condition including quantitative information on the severity of the violation or submit risk analysis to District and CPM.	Within 60 days of source test date			
AQ-27 (a-j)	Demonstrate compliance with conditions 14-17, 20(a), d), 21, 22, 24(a), 24(b), 25(a), 25(b) by using continuous monitors during all operating hours for the following parameters.	As part of the annual Air Quality Reports, indicate the date of any violation of this Condition including quantitative information on the severity of the violation.	Annual Air Quality Reports			

METCALF ENERGY CENTER - COMPLIANCE MATRIX						
Condition No.	Requirements & Task Summary	Action required	Event	Required Submission Date	Date submitted to CPM/CBO	Date approved by CPM/CBO
START OF MOBILIZATION/ROUGH GRADING	1/14/2002					
START OF CONSTRUCTION	9/1/2002					
AQ-27(e)	Use parameters in condition 27(a-d) and District approved methods to calculate the following: (e) Heat input rate for S-1 & S-2 combined, and S-3 & S-4 combined (f) Corrected NOx and CO concentrations and mass emissions at each exhaust point (P-1, P-2).	As part of the annual Air Quality Reports, indicate the date of any violation of this condition including quantitative information on the severity of the violation.	Annual Air Quality Reports			
AQ-27(g-i)	For each source, source grouping, or exhaust point record parameters at least once every 15 minutes and calculate and record for the following. Refer to AQ-27 for further details.	As part of the annual Air Quality Reports, indicate the date of any violation of this condition including quantitative information on the severity of the violation.	Annual Air Quality Reports			
AQ-28(a-b)	Demonstrate compliance with conditions 20, 21, 24, 25 by calculating and recording on a daily basis POC, PM10, and SO2 mass emissions from PM10 and SO2 from each power train.	As part of the monthly Air Quality Reports, the owner/operator shall indicate the date of any violation including quantitative information on the severity of the violation.	Monthly Air Quality Reports			
AQ-29	Calculate and record on annual basis the max. projected annual emissions of formaldehyde, benzene, Specified Poly-Aromatic Hydrocarbons (PAH's).	As part of the annual Air Quality Reports, indicate the date of any violation of this condition including quantitative information on the severity of the violation.	Annual Air Quality Reports			
AQ-30	Within 60 days of startup, conduct a District-approved source test on exhaust points P-1 or P-2 to determine the corrected ammonia concentration to determine compliance with condition 20(e).	Source test protocols shall be submitted at least 90 days before startup. Approval of the source test protocols and the source test reports shall be deemed as verification for this condition.	90 days before startup			
AQ-30	Conduct a District-approved source test on exhaust points P-1 or P-2 to determine the corrected ammonia concentration to determine compliance with condition 20(e).	Conduct test within 60 days of startup	Within 60 days of startup			
AQ-30	Conduct a District-approved source test on exhaust points P-1 or P-2 to determine the corrected ammonia concentration to determine compliance with condition 20(e).	Submit source test results to the District and to the CEC CPM.	Within 30 days of the tests			
AQ-30	Conduct a District-approved source test on exhaust points P-1 or P-2 to determine the corrected ammonia concentration to determine compliance with condition 20(e).	Notify the District and the CEC CPM.	Within seven working days before the execution of the source tests.			
AQ-31	Conduct a District-approved source test on exhaust points P-1 and P-2 while each GT and HRSG are operating at max load.	Submit source test protocols. Approval of the source test protocols and the source test reports shall be deemed as verification for this condition.	90 days before startup			
AQ-31	Conduct a District-approved source test on exhaust points P-1 and P-2 while each GT and HRSG are operating at max load.	Conduct test within 60 days of startup and on annual basis thereafter.	Within 60 days startup			
AQ-31	Conduct a District-approved source test on exhaust points P-1 and P-2 while each GT and HRSG are operating at max load.	Notify the District and the CEC CPM.	Within seven (7) working days before the execution of the source tests			
AQ-31	Conduct a District-approved source test on exhaust points P-1 and P-2 while each GT and HRSG are operating at max load.	Submit source test results to the District and to the CEC CPM.	Within 30 days of the date of the tests			

METCALF ENERGY CENTER - COMPLIANCE MATRIX

Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO	Status/Comments
START OF MOBILIZATION/ROUGH GRADING	1/14/2002						
START OF CONSTRUCTION	9/1/2002						
AQ-32	Obtain approval for all source test procedures from District Source Test Section and CPM prior to conducting tests.	Provide a copy of source test protocol.	90 days before startup				
AQ-32	Obtain approval for all source test procedures from District Source Test Section and CPM prior to conducting tests.	Notify the District's Source Test Section and the CEC CPM in writing of the Source Test Protocols and projected test dates at least 7 days prior to the testing date(s).	7 days prior to testing date(s)				
AQ-33	Conduct a District-approved source test within 60 days of startup on each exhaust point (P-1, P-2). Also test the GTs at minimum load.	Notify the District and the CEC CPM at least 7 working days before the owner/operator plans to conduct source testing as required by this condition.	Execution of the Source Tests				
AQ-33	Conduct a District-approved source test within 60 days of startup on each exhaust point (P-1, P-2). Also test the GTs at minimum load.	Conduct test.	Within 60 days of startup and on biennial basis thereafter				
AQ-33	Conduct a District-approved source test within 60 days of startup on each exhaust point (P-1, P-2). Also test the GTs at minimum load.	Source test results shall be submitted to the District and the CEC CPM.	Within thirty (30) days of conducting the test				
AQ-34	Submit all reports as required by District Rules or Regulations and in accordance with all procedures and time limits.	Submit a copy of test protocols at least 90 days before startup.	90 days before startup				
AQ-35	Maintain records and reports on site for a minimum of 5 years.	During site inspection, make all records and reports available to the District, California Air Resources Board, and CEC staffs.	AQ Inspection per AQ-35				
AQ-36	Notify District and CPM of any violations of these permit conditions.	Submission of these notifications as required by this condition is the verification of these permit conditions.	Violation of Permit Conditions				
AQ-37	Stack height of emission points (P-1, P-2) shall be at least 145 feet above grade at the stack base. (GT/HRSSG stack height).	Submit the drawings for review and approval.	45 days prior to the release to the manufacturer	7/15/02	7/23/02	Submitted	
AQ-38	Provide adequate stack sampling ports and platforms to enable the performance of source testing.	120 days before initial operation, submit to the BAAQMD and the CEC CPM a plan for the installation of stack sampling ports and platforms.	120 days before Initial Operation	21/04			
AQ-38	Provide adequate stack sampling ports and platforms to enable the performance of source testing.	Within 60 days of receipt of the plant, the BAAQMD will advise the Owner/Operator and the CPM of the acceptability of the plan.	Approval by BAAQMD and CPM				
AQ-39	Contact the BAAQMD Technical Services division regarding requirements for the continuous monitors, sampling ports, platforms, and source tests.	Contact the BAAQMD Technical Services division.	Within 180 days of issuance of Authority to Construct	8/1/02	7/29/02	In progress	
AQ-39	Contact the BAAQMD Technical Services division regarding requirements for the continuous monitors, sampling ports, platforms, and source tests.	Notify the CEC CPM at least seven (7) working days before these contacts are made.	7 days before contacts are made	8/5/02	2/28/02	N/A	Complete
AQ-40	Demonstrate valid ERGs in the amount of 212.75 tons/year of NOx and 28 tons/year of POC or equivalent as defined by District Regs 2-2-302.1 and 2-2-302.2	Notify more than 30 days after the issuance of an Authority to Construct, provide a copy of the ATC to the CEC CPM for review.	Within 30 days after issuance of Authority to Construct	3/15/02	2/2/02	N/A	Complete

NETCALF ENERGY CENTER - COMPLIANCE MATRIX

Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO	Status/Comments
START OF MOBILIZATION/ROUGH GRADING	1/14/2002						
START OF CONSTRUCTION	9/12/2002						
AQ-41	Provide to District valid ERC banking certificates in the amount of 212.75 ton/yr of NOx and 28 tons/yr of POCS, or equivalent.	At least 30 days prior to the start of construction, submit a copy of the required offset or ERCS certificates to the CPM.	30 days prior to start of construction	8/2/02	7/26/02	N/A	Complete
AQ-42	Submit an application to the BAAQMD for a major facility review permit within 12 months of the issuance of the PSD permit for the MEC.	Submit an application to BAAQMD major facility submittal of this application.	Within 12 months of issuance of PSD Permit		1/9/02	N/A	Complete
AQ-42	Submit an application to the BAAQMD for a major facility review permit within 12 months of the issuance of the PSD permit for the MEC.	Submit to the CPM a copy of the Federal Title V Operating Permit.	30 days after permit issued				Expect to receive permit in June 2003.
AQ-43	Submit an application to the District for a Title IV operating permit at least 24 months prior to the initial operation of any GTs or HRSGs.	Submit to the CPM a copy of the application for Submit to the CPM a copy of the application for Title IV operating permit.	24 months before initial operation		8/1/01		
AQ-44	Comply with the continuous emission monitoring requirements of 40 CFR Part 75.	Submit to the CPM a plan on how the measurements and recordings required by this condition will be performed.	60 days before Initial Operation				
AQ-45	Take monthly samples of natural gas combusted at MEC and analyze these samples for sulfur content using District-approved lab methods.	Maintain on site the records of all the guarantees received from its natural gas suppliers indicating that the fuel delivered to MEC complies with the 40 CFR Part 50 Subpart G.	On-site Compliance Inspections				
AQ-46	Cooling towers shall be properly maintained to minimize drift losses.	Submit a performance guarantee letter from the cooling tower manufacturer.	30 days prior to installation of Cooling Tower per AQ-46				
AQ-47a	Perform visual inspection of cooling tower drift eliminators once per calendar year and repair or replace any drift eliminators which are broken or missing.	As part of the monthly Air Quality Reports, indicate the date of any violation of this Condition.	Monthly Air Quality Reports				
AQ-47b	Have cooling tower representative inspect the cooling tower drift eliminators and certify installation was performed in a satisfactory manner.	Have cooling tower representative inspect the cooling tower drift eliminators and certify installation.	Initial Operation				
AQ-47c	Perform an initial performance source test to determine the PM10 emission rate from the cooling tower to verify compliance with the vendor-guaranteed drift rate.	As part of the monthly Air Quality Reports, indicate the date of any violation of this Condition.	Within 60 days of initial operation of the cooling tower				
AQ-48	Implement a CPM approved Flugitive Dust Control Plan during construction.	Submit the plan to the CEC CPM for review and approval	Within 60 days prior to start of construction	6/1/2001	6/1/2001	10/12/01	Complete
AQ-48	Implement a CPM approved Flugitive Dust Control Plan during construction.	Maintain daily records to document the specific actions taken pursuant to the plan. Summary of activities in MCR.	Monthly Compliance Report				On-going
AQ-49	During construction owner shall:	The project owner shall maintain a daily log during the construction phase of the project, The logs shall be made available to the CEC CPM upon request.	Start of Construction				On-going
AQ-50	Identify the source of the fugitive dust and implement one or more of the appropriate control measures specified in Table 3.	Maintain a daily log recording the dates and times that measures have been implemented and make them available to the CEC CPM upon request.	Start of Construction				On-going

METCALF ENERGY CENTER COMPLIANCE MATRIX						
START OF MOBILIZATION/ROUGH GRADING		1/14/2002				
START OF CONSTRUCTION		9/1/2002				
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Status Comments
AQ-51	Provide the District with valid ERC certificates for PM10 for the amount of 29.21 tons per year and for VOC for the amount of 124.2 tons per year from the sources noted in Condition 51.	At least 30 days prior to the start of construction, the project owner must submit a copy of the required ERC certificates to the CPM and the District.	30 days prior to start of construction	8/2/02	7/26/02	N/A
AQ-52	The project owner shall mitigate, to the extent practical, construction related emission impacts from off-road, diesel fired construction equip. Details of Plans shown in Condition AQ-52.	Submit to the CPM for approval the qualifications of the CMM at least 45 days prior to due date for diesel construction equipment.	45 days prior to rough grading	11/30/01	8/27/01	9/27/01 Complete
AQ-52	The project owner shall mitigate, to the extent practical, construction related emission impacts from off-road, diesel fired construction equip. Details of Plans shown in Condition AQ-52.	Submit Construction Equipment Mitigation Plan 30 days prior to rough grading	30 days prior to rough grading	12/15/01	9/7/01	9/27/01 Complete
AQ-52	The project owner shall mitigate, to the extent practical, construction related emission impacts from off-road, diesel fired construction equip. Details of Plans shown in Condition AQ-52.	Submit Report of Change to the CPM no later than 10 working days after use of equipment on site.	10 days after use of equipment on site			
AQ-53	The heat input to the fire pump diesel engine shall not exceed 211 MM BTU totalled over any consecutive twelve month period.	As part of the monthly Air Quality Reports, indicate the date of any violation of this condition including quantitative information on the severity of the violation.	Monthly Air Quality Reports			
AQ-54	The total hours of operation of the emergency generator shall not exceed 200 hours per calendar year, plus an additional 100 hours per calendar year for the purposes of maintenance and testing.	As part of the monthly Air Quality Reports, indicate the date of any violation of this condition including quantitative information on the severity of the violation.	Monthly Air Quality Reports			
AQ-55	Install an oxidation catalyst to control VOC emissions.	As part of its final design plans, specifications, and drawings, submit to the District and the CPM for review and approval the final selection and design details of combustion equipment, including emission systems.	Submittal of final design plans			In progress
Public Health-1	Perform a visual inspection of the cooling tower drift eliminators once per calendar year. Prior to initial operation of the project, have the cooling tower vendor's field representative inspect the cooling tower drift eliminator and certify that the installation was performed in a satisfactory manner.	Prior to initial operation of the project, have the cooling tower vendor's field representative inspect the cooling tower drift eliminator and certify that the installation was performed in a satisfactory manner.	Prior to initial operation			
Public Health-1	Perform a visual inspection of the cooling tower drift eliminators once per calendar year. Prior to initial operation of the project, have the cooling tower vendor's field representative inspect the cooling tower drift eliminator and certify that the installation was performed in a satisfactory manner.	The project owner shall include the results of the annual inspection of the cooling tower drift eliminators and a description of any repairs performed in the next required compliance report.	Annual Compliance Report			

METCALF ENERGY CENTER - COMPLIANCE MATRIX

Condition No.	Requirements & Task Summary	Action Required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO	Status/Comments
START OF MOBILIZATION/ROUGH GRADING	1/14/2002						
START OF CONSTRUCTION	8/1/2002						
WORKER SAFETY 1	Project Construction Safety and Health Program, containing the following: A Construction Injury and Illness Prevention Program, A Construction Fire Protection and Prevention Plan, A Personal Protective Equipment Program.	Submit to the CPM a copy of the Project Construction Safety and Health Program and the Personal Protective Equipment Program, with a copy of the cover letter transmittal of the programs to Cal/OSHA.	30 days prior to start of construction	8/2/02	9/27/01(Bechtel)	2/1/02(Bechtel)	Resubmitted for Mortenson, OSHA Consultation completed 2/21/02, Submitted OSHA approval of Mortenson Plan 3/12/02.
WORKER SAFETY 1	Project Construction Safety and Health Program, containing the following: A Construction Injury and Illness Prevention Program, A Construction Fire Protection and Prevention Plan, A Personal Protective Equipment Program.	Submit to the CPM a letter from the San Jose Fire Department stating that they have reviewed and accepted the Construction Fire Protection and Prevention Plan.	30 days prior to start of construction	8/2/02	7/31/01	2/1/02	Response to Fire Depts. comments submitted 4/9/02.
WORKER SAFETY 2	Project Operation Safety and Health Plan containing the following: Operation Injury and Illness Prevention Plan, Emergency Action Plan, Operation Fire Protection Plan, Personal Protective Equipment Program.	The Plan shall be submitted to the Cal/OSHA Consultation Service, for review and comment concerning compliance of the program with all applicable Safety Orders	Start of Operation				
WORKER SAFETY 2	Project Operation Safety and Health Plan containing the following: Operation Injury and Illness Prevention Plan, Emergency Action Plan, Operation Fire Protection Plan, Personal Protective Equipment Program.	Submit to the CPM a copy of the final version of the Project Operation Safety & Health Program with a copy of the cover letter to Cal/OSHA's Consultation Service, and San Jose Fire Department comments stating that they have reviewed and accepted the specified elements of the Plan.	30 days prior to start of operation				
WORKER SAFETY 3	Reach an agreement with the San Jose Fire Dept on the amount of fees and timing of payment they will provide to cover project-specific impacts associated with worker safety and fire protection.	Provide the CPM with a copy of an agreement with the City or San Jose Fire Department or shall provide an interim plan to address impacts until a permanent agreement can be reached.	60 days prior to ground disturbance	11/15/01	7/2/01	2/1/02	Complete
WORKER SAFETY 3	Reach an agreement with the San Jose Fire Dept on the amount of fees and timing of payment they will provide to cover project-specific impacts associated with worker safety and fire protection.	If an agreement cannot be reached at least 60 days prior to construction, the project owner will inform the CPM and propose a plan to mitigate impacts on fire services.	60 days prior to ground disturbance	11/15/01	7/2/01	2/1/02	Complete
TLSN-1	The project owner shall construct the proposed transmission line according to the requirements of Section 2700 through 2974 of the California Code of Regulations and PG&E's EMF-reduction measures.	Submit to the CPM a letter affirming that the transmission line will be constructed according to the requirements.	30 days prior to start of construction of Transmission Line				
TLSN-2	Identify and correct any complaints of interference with radio and TV signals from operation of line and facilities.	All reports of line-related complaints shall be summarized and included for 5 years in the Annual Compliance Report to the CPM	Annual Compliance Report				
TLSN-3	Engage a qualified consultant to measure the strengths of the line electric and magnetic fields in the project owner's 240-foot section before and after the 250 kV line is energized.	File copies of the pre-and post- energization measurements with CPM. These measurements shall be completed within 6 months of the start of the operations.	60 days after completion of measurements				

METCALF ENERGY CENTER - COMPLIANCE MATRIX						
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CP/MCBO	Date approved by CP/MCBO
START OF MOBILIZATION/ROUGH GRADING	1/14/2002					
START OF CONSTRUCTION	9/1/2002					
TLSN-4	Ensure that the transmission line right-of-way is kept free of combustible material.	Provide a summary of inspection results and any fire prevention activities carried out along the ROW in the annual compliance report.	Annual Compliance Report			
HAZ-5	Ensure the grounding of any ungrounded permanent metallic objects within the right-of-way of the overhead section.	Provide to the CP/M and Santa Clara County, In a letter confirming compliance with this Condition	30 days prior to energization of transmission line			
HAZ-1	Do not use any hazardous material in reportable quantities, not listed in Attachment 1 or in greater quantities or strengths than those identified unless approved in advance by Santa Clara County and the CP/M.	Provide to the CP/M and Santa Clara County, In Annual Compliance Report, a list of hazardous materials contained at the facility in reportable quantities.				
HAZ-2	Provide a Risk Management Plan to Santa Clara County and the CP/M for review at the time the plans are first submitted to the EPA.	Provide a Risk Management Plan to Santa Clara County and the CP/M for review at the time the plans are first submitted to the U.S. EPA.	60 days prior to delivery of Aqueous Ammonia			
HAZ-2	Provide a Risk Management Plan to Santa Clara County and the CP/M for review at the time the plans are first submitted to the EPA.	Include all recommendations of Santa Clara County and the CP/M in the final document. At least 60 days prior to the delivery of aqueous ammonia to the facility, provide the final approved plans listed above to the CP/M.	60 days prior to delivery of Aqueous Ammonia			
HAZ-3	Develop and Implement a safety management plan for delivery of ammonia.	Provide a safety management plan as described above to the CP/M for review and approval.	60 days prior to delivery of Aqueous Ammonia			
HAZ-4	The aqueous ammonia storage facility shall be designed to either the ASME Pressure Vessel Code and ANSI K81.6 or to API 620.	Submit final design drawings and specifications for the ammonia storage tank and secondary containment basin to the County of Santa Clara and the City of San Jose for review and comment, and to the CP/M for review and approval.	60 days prior to delivery of Aqueous Ammonia			
HAZ-5	Provide a covered secondary containment basin to passively contain any spill during the delivery of aqueous ammonia to the storage facility.	Provide detailed design drawings and specifications for the secondary containment basin to the County of Santa Clara and the City of San Jose for review and comment, and to the CP/M for review and approval.	60 days prior to construction of ammonia secondary containment			
HAZ-6	The project owner shall require that the gas pipeline undergo a complete design review and detailed inspection every 30 years and each 5 years thereafter.	Provide a detailed plan to accomplish a full and comprehensive pipeline design review in the future to the CP/M for review and approval.	30 days prior to initial gas flow in pipeline			
HAZ-7	Prepare and implement a pipeline maintenance plan.	Provide a detailed plan to accomplish a full and comprehensive pipeline inspection. In the event of an earthquake to the CP/M for review and approval.	30 days prior to initial gas flow in pipeline			

METCALF ENERGY CENTER - COMPLIANCE MATRIX						
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Status/Comments
START OF MOBILIZATION/ROUGH GRADING	1/14/2002					
START OF CONSTRUCTION	9/1/2002					
HAZ-8	The project owner shall direct all vendors delivering any hazardous material to the site to use only the route approved by the CPM.	At least sixty (60) days prior to receipt of any hazardous materials on site, the project owner shall submit copies of the required transportation route limitation to the County of Santa Clara and City of San Jose for review and comment, and to the CPM for review and approval.	60 days prior to delivery of hazardous materials			
HAZ-9	The natural gas pipeline shall be designed to meet CPUC General Order 112-D and 58 A standards, or any successor standards, and will be designed to meet Class III service.	Submit design and operation specifications to the CPM for review and approval.	Prior to initial gas flow in pipeline			
HAZ-10	Design and operate the facility to ensure that no fuels or lubricants are permanently or temporarily stored within 100 feet of the sulfuric acid tank.	Provide copies of the facility design drawings showing the location of the sulfuric acid storage tank and the route for transport.	60 days prior to delivery of Sulfuric Acid			
HAZ-11	The project owner shall direct all vendors delivering aqueous ammonia to the site to use only transport vehicles which meet or exceed the specifications of the DOT MC-307 tanker trucks.	Submit copies of the notification letter to supply vendors indicating the transport vehicle and approval.	60 days prior to receipt of aqueous ammonia on site			
HAZ-12	Design, construct, and operate the project in conformance with all applicable laws, ordinances, regulations, and standards pertaining to the transport, storage, and handling of hazardous materials.	Submit final design drawings and specifications for all hazardous material storage areas and equipment to Santa Clara County and the City of San Jose for review and comment, and to the CPM for review and approval.	60 days prior to delivery of Hazardous Materials			
WASTE-1	Obtain a Hazardous Waste Generator Identification Number from the Department of Toxic Substances Control prior to generating any hazardous waste.	Keep its copy of the identification number on file at the project site and notify the CPM via the monthly compliance report of its receipt.	Notify via Monthly Compliance Report	12/14/02	12/14/02	N/A
WASTE-1	The project owner shall obtain a Hazardous Waste Generator Identification Number from the Department of Toxic Substances Control prior to generating any hazardous waste. (Operation).	Keep copies of the ID number and permit on file and notify the CPM via the monthly compliance report of their receipt - (operation).	Notify via Monthly Compliance Report			Complete
WASTE-2	Upon becoming aware of any impending waste management-related enforcement action, notify the CPM of any such enforcement action.	Notify the CPM in writing within 10 days of becoming aware of an impending enforcement action.	Within 10 days of becoming aware of an impending enforcement action.			
WASTE-3	Prepare and submit to the CPM a waste management plan for all wastes generated during construction and operation of the facility.	Submit the construction waste management plan to the CPM for review.	60 days prior to start of construction		7/31/02	Complete, Submitted for review.
WASTE-3	Prepare and submit to the CPM a waste management plan for all wastes generated during construction and operation of the facility.	Submit any required revisions within 30 days of notification by the CPM (or mutually agreed upon date).	Revise within 30 days of notification by CPM		6/12/01, 2/24/03, 5/23/03 (Inmars)	7/27/01, 3/7/03

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Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO	Status Comments
START OF MOBILIZATION/ROUGH GRADING	11/14/2002						
START OF CONSTRUCTION	9/1/2002						
WASTE-3	Prepare and submit to the CPM a waste management plan for all wastes generated during construction and operation of the facility.	The operation waste management plan shall be submitted no less than 60 days prior to the start of project operation.	60 days prior to start of operation				
WASTE-3	Prepare and submit to the CPM a waste management plan for all wastes generated during construction and operation of the facility.	The project owner shall submit any required revisions within 30 days of notification by the CPM (or mutually agreed upon date).	Revise within 30 days of notification by CPM				
WASTE-3	Prepare and submit to the CPM a waste management plan for all wastes generated during construction and operation of the facility.	In the Annual Compliance Reports, document the actual waste management methods used during the year compared to planned management methods.	Annual Compliance Report				
WASTE-4	Have a registered PE available for consultation during soil excavation and grading activities.	Submit the qualifications and experience of the Registered Professional Engineer or Geologist to the CPM for approval.	30 days prior to ground disturbing activity				
WASTE-5	If potentially contaminated soil is unearthed during excavation the environmental professional shall inspect the site.	Notify the CPM in writing within 5 days of any reports filed by the environmental professional if significant remediation may be required, contact representatives of the Santa Clara County and Dept of Toxic Substances Control.	Within 5 days of filing reports				
WASTE-5	If potentially contaminated soil is unearthed during excavation the environmental professional shall inspect the site.	Notify the CPM in writing within 5 days of any reports filed.	Within 5 days of filing reports				
WASTE-6	Obtain a Hazardous Material Clearance Form from the Santa Clara County Hazardous Materials Compliance Division.	Provide an approved copy of the Hazardous Material Clearance Form to the CPM.	Prior to the start of construction	3/20/02	3/20/02	3/20/02	Complete
WASTE-7	The project owner shall perform additional limited investigations to fully characterize the site.	Prior to the start of construction, submit analytical results of the additional sampling to the CPM as a ESA Addendum.	Prior to the start of construction	2/21/02	2/21/02	N/A	Complete
WASTE-8	All site debris shall be removed from the site after owner has control of the site.	Notify the CPM in writing within ten days of removal of site debris.	Within 10 days after removal of site debris	9/10/01	9/10/01	10/2/01	Complete
LAND-1	At such time as a connection to a trail network can be made, install and maintain the portion of the planned trail that would cross the site.	In the Monthly Compliance Reports provide updates on trail developments in the area around the site.	Monthly Compliance Report				
LAND-1	At such time as a connection to a trail network can be made, install and maintain the portion of the planned trail that would cross the site.	Submit to the City of San Jose Departments of Planning and Public Works for review of the trail design and maintenance plan.	Start of Construction of Trail				
LAND-1	At such time as a connection to a trail network can be made, install and maintain the portion of the planned trail that would cross the site.	Prior to the start of a trail that the MEC trail could be connected to, submit designs and the maintenance plan to the CPM.	180 days prior to start of construction of trail				
LAND-1	At such time as a connection to a trail network can be made, install and maintain the portion of the planned trail that would cross the site.	Notify the CPM that the trail segment has been completed and is ready for inspection.	Within 7 days after completion of trail segment				
LAND-1	At such time as a connection to a trail network can be made, install and maintain the portion of the planned trail that would cross the site.	In the Annual Compliance Reports provide updates on trail developments in the area around the site.	Annual Compliance Report				

METCALF ENERGY CENTER - COMPLIANCE MATRIX

Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO	Status/Comments
START OF MOBILIZATION/ROUGH GRADING	1/14/2002						
START OF CONSTRUCTION	9/1/2002						
LAND-2	Landscape the parking area consistent with the "Orchard Planting" Guidelines of the North Coyote Valley Campus Industrial Area Master Development Plan. The project owner shall landscape the parking area consistent with the "Orchard Planting" Guidelines of the North Coyote Valley Campus Industrial Area Master Development Plan.	Submit to the City of San Jose for review and comment and to the CPM for approval a revised landscape plan Notify the CPM that the work has been completed and is ready for inspection.	30 days prior to start of construction 7 days after completion of landscaping	8/2/02	8/7/02		Submitted
LAND-2	The project owner shall design and construct the project to satisfy the setback requirements	Submit the final design plans to the CPM for approval.	60 days prior to start of construction	9/2/2001 1/1/2001 3/12/02	1/2/2001 3/28/02	Complete	
LAND-3	The project owner shall design and construct the project to satisfy the setback requirements	Notify the CPM that the boundaries are ready for inspection.	Prior to construction of specified facilities and structures	7/3/02	7/23/02 (cooling tower)	10/2/2002 (cooling tower foundation only.)	
LAND-3	The project owner shall design and construct the project to satisfy the setback requirements	Submit the final design plans to the San Jose review and comment.	60 days prior to start of construction	9/2/2001 3/12/02	9/2/2001 3/28/02	N/A (City of San Jose)	Complete
LAND-3	The project owner shall design and construct the project to satisfy the setback requirements	Notify the CPM that the facilities and structures are completed and are ready for inspection.	7 days after completion of specified facilities and structures	7/3/02			
LAND-4	Ensure that any project directional signs, identity signs, and gatehouses comply with the "Entry Identification" guidelines.	Submit to the CPM for approval a site plan that demonstrates that the project complies with the "Entry Identification" guidelines.	50 days prior to commercial operation				
LAND-4	Ensure that any project directional signs, identity signs, and gatehouses comply with the "Entry Identification" guidelines.	Notify the CPM that these requirements have been satisfied and are ready for inspection.	50 days prior to commercial operation				
LAND-4	Ensure that any project directional signs, identity signs, and gatehouses comply with the "Entry Identification" guidelines.	Submit to the City of San Jose for review and comment a site plan.	Commercial Operation				
LAND-5	Acquire from the property owners (Passantino) immediately south of the MEC site a restrictive covenant agreement.	Submit to the CPM a recorded copy of the Agreement.	90 days prior to start of construction	6/3/02	6/1/2001	9/14/01	Complete
LAND-5	Acquire from the property owners (Passantino) immediately south of the MEC site a restrictive covenant agreement.	Submit a landscape plan to the CPM for review and approval and the City of San Jose for review and comment.	Within sixty (60) days of sale of the Passantino property				
LAND-5	Acquire from the property owners (Passantino) immediately south of the MEC site a restrictive covenant agreement.	Notify the CPM that the landscaping has been completed and is ready for inspection.	7 days after completion of landscaping				
LAND-6	Ensure the protection of soil while using agricultural land as a construction laydown and parking area.	Notify the CPM that the protective measures stated above will be applied prior to the delivery of any construction materials.	30 days prior to delivery of construction materials	9/19/01	9/19/01	9/19/01	Complete
LAND-6	Ensure the protection of soil while using agricultural land as a construction laydown and parking area.	Submit photographic evidence of the application.	7 days after completion of protective measures	3/14/02 5/10/2002	3/14/02 5/10/2002	7/8/02	Complete
LAND-6	Ensure the protection of soil while using agricultural land as a construction laydown and parking area.	Notify the CPM that the agricultural field used as the laydown area has been filled and shall submit photographs of the tilled field.	30 days prior to commercial operation				

METCALF ENERGY CENTER - COMPLIANCE MATRIX

Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO	Status/Comments
START OF MOBILIZATION/ROUGH GRADING	1/14/2002						
START OF CONSTRUCTION	9/11/2002						
LAND-7	Ensure that any additional construction laydown areas needed along all pipeline routes are located within existing paved or gravel areas.	Submit a detailed map showing the location of any planned laydown areas along the pipeline routes and photographs of the areas.	60 days prior to construction of pipelines				
LAND-8	Obtain all necessary licenses and easement rights from Santa Clara County to route the natural gas supply pipeline through the Coyote Creek Parkway.	Submit the plan to the Santa Clara County Parks and Recreation Department for review and obtain licenses and easements.	Prior to submittal to CPM				Option agreement signed 6/4/02. Will exercise option 45 days prior to construction of gas pipeline.
LAND-8	Obtain all necessary licenses and easement rights from Santa Clara County to route the natural gas supply pipeline through the Coyote Creek Parkway.	Submit to the CPM a copy of all licenses and easements secured from Santa Clara County and submit to the CPM a plan that describes how construction activities will be limited to avoid permitted park events.	30 days prior to construction of gas pipeline				
LAND-8	Obtain all necessary licenses and easement rights from Santa Clara County to route the natural gas supply pipeline through the Coyote Creek Parkway.	Submit to the CPM an update of planned construction dates for the following week and a schedule of planned park events.	Weekly gas pipeline report				
LAND-9	Route the water supply and wastewater discharge pipelines through open agricultural areas to avoid the direct loss of orchard trees.	Submit to the CPM for review and approval a site plan that shows the precise alignment of the water supply and waste water pipelines in relation to existing orchard trees.	60 days prior to construction of pipelines				
LAND-9	Route the water supply and wastewater discharge pipelines through open agricultural areas to avoid the direct loss of orchard trees.	Notify the CPM that stakes have been installed and the route is ready for inspection.	7 days prior to ground disturbing activities related to pipeline construction				
LAND-10	During pipeline construction, stockpile excavated topsoil separate from subsoil in agricultural areas.	Submit a description of the procedure to minimize alteration of original soil stratigraphy.	30 days prior to ground disturbing activities related to pipeline construction				
LAND-10	During pipeline construction, stockpile excavated topsoil separate from subsoil in agricultural areas.	Notify the CPM of the schedule for trenching.	7 days prior to trenching for pipeline				
LAND-10	During pipeline construction, stockpile excavated topsoil separate from subsoil in agricultural areas.	Notify the CPM of the schedule for backfilling.	7 days after start of trenching for pipeline				
LAND-11	The heat recovery steam generator stacks shall be limited to 145 feet above finished grade.	Submit the final design specifications to the CPM for review and approval.	60 days prior to start of construction				
TRANS-1	Comply with Caltrans and Santa Clara County limitation on vehicle sizes and weights.	Provide the number of any oversize and overweight transportation permits received during that reporting period.	Monthly Compliance Report				On-going
TRANS-2	Comply with Caltrans and County limitations for encroachment into public rights-of-way and shall obtain necessary encroachment permits.	Submit copies of any encroachment permits received during that reporting period in the Monthly Compliance Report.	Monthly Compliance Report				Caltrans encroachment permit for gas pipeline submitted in April Report.
TRANS-3	Ensure that all federal and state regulations for the transport of hazardous materials are observed.	Copies of all permits and licenses acquired concerning the transport of hazardous substances.	Monthly Compliance Report				

METCALF ENERGY CENTER: COMPLIANCE MATRIX

Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO	Status/Comments
TRANS-4	The project owner shall enter into a Crossing Agreement with UPRR.	If the permanent crossing warning equipment is not in place , submit a traffic plan for the crossing to UPRR for review.	60 days prior to site preparation	11/15/01	8/16/01	8/16/01	Complete
TRANS-4	The project owner shall enter into a Crossing Agreement with UPRR.	Submit the executed Crossing Agreement to the CPM for approval.	60 days prior to site preparation	11/15/01	8/16/01	8/16/01	Complete
TRANS-4	Install railroad grade crossing warning equipment at the RR crossing for Blanchard Road.	Inform the CPM when the final grade crossing warning equipment is ready for inspection.	Installation of final grade crossing equipment	3/4/02	3/4/02		Submitted
TRANS-5	Consult with Santa Clara Co., San Jose, and Caltrans & prepare a Constat Traffic Control Plan and Implementation program.	Provide to Santa Clara County, City of San Jose and Caltrans, and to the CPM, a copy of construction traffic control plan and Implementation Program.	30 days prior to start of site preparation	10/2/01 12/9/02, 5/23/03 (In years)	10/24/01	10/2/2001, 12/9/02, 5/23/03 (In years)	Complete for site. Submitted for linear
TRANS-6	Repair roadways to original or as near original condition as possible. Refer to TRANS 6 for further details	Photograph, videotape, or digitally record Monterey Rd. between Metcalf Rd. and Blanchard Rd. Provide the CPM, Santa Clara County and Caltrans with a copy of these images.	Prior to start of site preparation	11/15/01	8/9/01	8/13/01	Complete
TRANS-6	Repair roadways to original or as near original condition as possible. Refer to TRANS 6 for further details	Photograph, videotape, or digitally record Monterey Rd between Metcalf Rd. and Blanchard Rd. Provide the CPM, Santa Clara County and Caltrans with a copy of these images.	Start of ground disturbing activities related to pipeline construction				
TRANS-6	Following completion of construction of the power plant and all related facilities, the project owner shall repair roadways to original or as near original condition as possible.	Notify Caltrans about the schedule for project construction.	60 days prior to site preparation	11/15/01	8/9/01	8/13/01	Complete
TRANS-6	Following completion of construction of the power plant and all related facilities, the project owner shall repair roadways to original or as near original condition as possible.	Meet with the CPM, Santa Clara County, the City of San Jose and Caltrans to determine actions necessary for repair of roadways.	30 days after completion of project construction				
TRANS-7	Prepare and submit a parking and staging plan for all phases of project construction.	Submit the parking and staging plan to the City of San Jose and Santa Clara County for review and comment, and to the CPM for approval.	60 days prior to start of site preparation	10/2/01 12/9/02, 5/23/03 (In years)	10/24/01	10/2/2001, 12/9/02, 5/23/03 (In years)	Complete for site. Submitted for linear
TRANS-8	Prior to the start of commercial operation of MEC, the project owner shall complete a two-lane secondary access connection.	Contact the City regarding the status of the off-site portion of the Santa Teresa Boulevard connection and inform the CPM.	12 months prior to commercial operation	12/31/03			
TRANS-8	Prior to the start of commercial operation of MEC, the project owner shall complete a two-lane secondary access connection.	Notify the City and CPM that the portion of the Santa Teresa Boulevard connection constructed by MEC is ready for inspection.	60 days prior to commercial operation	11/2/04			
NOISE-1	Notify all residents and business entities within one mile of the site of the start of construction and operation of the project.	Notify residents and establish/post telephone number	15 days prior to start of rough grading	12/30/01	10/3/01	N/A	Complete
NOISE-1	Notify all residents and business entities within one mile of the site of the start of construction and operation of the project.	A statement signed by the project manager attesting that the above notification has been performed.	Monthly Construction Report Following the Start of Rough Grading	2/14/02	2/14/02	N/A	Complete

METCALF ENERGY CENTER: COMPLIANCE MATRIX						
	Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO
START OF MOBILIZATION/ROUGH GRADING		Notify all residents and business entities within one mile of the site of the start of construction and operation of the project.	A statement signed attesting that a notification was send to all residents within a 1-mile radius of the project.	15 days prior to the commencement of steam blow activity		
START OF CONSTRUCTION	NOISE-1	Notify all residents and business entities within one mile of the site of the start of construction and operation of the project.	Transmit a statement signed by the project manager attesting that a notification was send to all residents within one-mile radius of the project.	Monthly Construction Report Following the Steam Blow activity		
	NOISE-1	Throughout the construction and operation, document, investigate, evaluate and attempt to resolve all project related noise complaints.	File a copy of the Noise Complaint Resolution Form with City of San Jose and with the CPM documenting the resolution of the complaint.	30 days after receiving a noise complaint		
	NOISE-2	Submit to the CPM for review a Noise Control Program.	Submit to the CPM the above referenced program.	30 days prior to Rough Grading	12/15/01	6/12/01
	NOISE-3	If a traditional high-pressure steam blow process is employed, equip steam blow piping with a temporary silencer.	Submit to the CPM drawings describing the temporary steam blow silencer, and a description of the steam blow schedule.	15 days prior to first Steam Blow	7/27/01	Complete
	NOISE-4	Conduct a 25-hour Community Noise Survey when first achieving an output of 80 percent of rated capacity.	Submit a summary report of the survey to City of San Jose and the CPM.	Within 30 days after completing survey		
	NOISE-5	Conduct a 25-hour Community Noise Survey when first achieving an output of 80 percent of rated capacity.	Submit to the CPM a summary report of a new noise survey.	Within 30 days of completion of installation of these measures		
	NOISE-6	The project owner shall conduct an occupational noise survey to identify the noise hazardous areas in the facility.	The survey shall be conducted within thirty (30) days after the facility is operating at an output of 80% of rated capacity or greater.	Thirty days after the facility is operating at an output of 80% of rated capacity or greater.		
	NOISE-6	The project owner shall conduct an occupational noise survey to identify the noise hazardous areas in the facility.	Submit the noise survey report to the CPM. The project owner shall also submit the report to OSHA upon request.	Within 30 days after completing the survey		
	NOISE-7	Construction shall be restricted to the hours of: 7 a.m. to 7 p.m. on weekdays and from 8 a.m. to 6 p.m. on weekends and holidays.	Transmit a statement certifying that the above restrictions will be observed throughout the construction of the project.	First Monthly Compliance Report	11/15/02	N/A
	NOISE-7	The project owner shall implement typical noise source reduction measures such as silencers and acoustical enclosures for HDD.	Submit a plan for approval to the CPM to implement noise reduction measures for HDD.	30 days prior to commencing HDD.		Complete
	VIS-1	Treat the project structures, buildings, and tanks visible to the public in a non-reflective color.	Submit proposed plan to the CPM for review and approval.	60 days prior to ordering first equipment that's color treated	8/1/02	8/1/02
	VIS-1	Treat the project structures, buildings, and tanks visible to the public in a non-reflective color.	If the CPM notifies the project owner that any revisions of the plan are needed, shall submit to the CPM a revised plan.	Within 30 days of receiving notification		
	VIS-1	Treat the project structures, buildings, and tanks visible to the public in a non-reflective color.	Notify the CPM that all structures treated during manufacture and all structures treated in the field are ready for inspection.	Not less than thirty (30) days prior to the start of commercial operation		
	VIS-1	Treat the project structures, buildings, and tanks visible to the public in a non-reflective color.	The project owner shall provide a status report regarding treatment maintenance in the Annual Compliance Report.	Annual Compliance Report		

METCALF ENERGY CENTER - COMPLIANCE MATRIX

Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO	Status Comments
START OF MOBILIZATION/ROUGH GRADING	1/14/2002						
START OF CONSTRUCTION	9/1/2002						
VIS-2	Any fencing for the project shall be non-reflective.	Submit the specifications to the CPM for review and approval.	At least 30 days prior to ordering the non-reflective fencing	Within 30 days of receiving notification			
VIS-2	Any fencing for the project shall be non-reflective.	If the CPM notifies the project owner that revisions of the submittal are needed the project owner shall prepare and submit a revised submittal.	Notify the CPM that the fencing is ready for inspection.	Within 7 days after completing installation of the fencing			
VIS-2	Design and install all lighting such that light bulbs and reflectors are not visible from public viewing areas.	Provide the lighting plan to the CPM for review and approval and to the City of San Jose for review and comment.	Ninety (90) days before ordering the exterior lighting.	5/3/03	5/5/03	Submitted	
VIS-3	Design and install all lighting such that light bulbs and reflectors are not visible from public viewing areas.	If the CPM notifies the project owner that any revisions of the plan are needed, shall submit to the CPM a revised plan.	Within 30 days of receiving notification	6/30/03			In progress
VIS-3	Design and install all lighting such that light bulbs and reflectors are not visible from public viewing areas.	Notify the CPM that the lighting is ready for inspection.	Within seven (7) days of completing exterior lighting installation				
VIS-4	Restore any and all areas that are disturbed during the construction or operation of any portions of the proposed underground utilities.	Submit the plan to the CPM for review and approval and to the City of San Jose or Santa Clara County for review and comment.	(At least) sixty (60) days prior to beginning implementation of the surface restoration				
VIS-4	Restore any and all areas that are disturbed during the construction or operation of any portions of the proposed underground utilities.	If the CPM notifies the project owner that revisions of the submittal are needed, shall prepare and submit to the CPM a revised submittal.	Within 30 days of receiving notification				
VIS-4	Restore any and all areas that are disturbed during the construction or operation of any portions of the proposed underground utilities.	Notify the CPM after completing the surface restoration that it is ready for inspection.	Within seven (7) days after completing the surface restoration				
Temporary Aesthetic Screen							
VIS-5	Implement the installation of temporary aesthetic screening along the south and east sides and any of the eastern portion of the north side of the construction laydown area. Install long-term aesthetic screening along the west side of Monterey Road.	Submit the proposed temporary and long-term aesthetic screening plans to the City of San Jose for review and comment.	Ninety (90) days prior to the start of use of the construction laydown area	7/27/01	7/27/01	N/A (City of San Jose)	Submitted. Comments rec'd from SJ incorporated prior to submittal.
VIS-5	Implement the installation of temporary aesthetic screening along the south and east sides and any of the eastern portion of the north side of the construction laydown area. Install long-term aesthetic screening along the west side of Monterey Road.	Submit the proposed temporary and long-term aesthetic screening plans to the CPM for review and approval.	Ninety (90) days prior to the start of use of the construction laydown area	7/27/01	7/27/01	2/15/02 (Aesthetic screen)	Complete for temporary.
VIS-5	Implement the installation of temporary aesthetic screening along the south and east sides and any of the eastern portion of the north side of the construction laydown area. Install long-term aesthetic screening along the west side of Monterey Road.	Submit any required revisions within 30 days of notification by the CPM.	Within 30 days of receiving notification	2/12/02	2/12/02	2/15/02	

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Condition No.	Requirements & Task Summary	Action required	Event	Referred Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO
VIS-5	Implement the installation of temporary aesthetic screening along the south and east sides and any of the eastern portion of the north side of the construction laydown area. Install long-term aesthetic screening along the west side of Monterey Road.	The temporary and long-term aesthetic screening installations are ready for inspection.	Within seven days after implementing the proposed plan	7/6/2002 (temporary screen)	7/1/2002 (temporary screen)	Submitted for temporary.
VIS-5	Immediately upon completion of construction of the project, the temporary aesthetic screening shall be removed and the construction laydown area shall be revegetated and restored to its original condition.	Submit proposed plans to the City of San Jose for review and comment and CPM for review and approval.	At least ninety (90) days before intended removal of the temporary aesthetic screen			
VIS-5	Immediately upon completion of construction of the project, the temporary aesthetic screening shall be removed and the construction laydown area shall be revegetated and restored to its original condition.	Submit any required revisions within 30 days of notification by the CPM.	Within 30 days of notification			
VIS-5	Immediately upon completion of construction of the project, the temporary aesthetic screening shall be removed and the construction laydown area shall be revegetated and restored to its original condition.	Notify the CPM that the temporary aesthetic screening removal is ready for inspection.	Within seven days after implementing the proposed plan			
Long-term screen (Monterey Road landscaping)						
VIS-5	Implement the installation of temporary aesthetic screening along the south and east sides and any of the eastern portion of the north side of the construction laydown area. Install long-term aesthetic screening along the west side of Monterey Road.	Submit the proposed temporary and long-term aesthetic screening plans to the City of San Jose for review and comment.	Ninety (90) days prior to the start of use of the construction laydown area	7/27/01	7/27/01	N/A (City of San Jose)
VIS-5	Implement the installation of temporary aesthetic screening along the south and east sides and any of the eastern portion of the north side of the construction laydown area. Install long-term aesthetic screening along the west side of Monterey Road.	Submit the proposed temporary and long-term aesthetic screening plans to the CPM for review and approval.	Ninety (90) days prior to the start of use of the construction laydown area	7/27/01	7/27/2001, 12/18/01	Revised Monterey Rd. plan submitted 12/18/01. Submitted City of San Jose comments to CEC on 9/26/02.
VIS-5	Implement the installation of temporary aesthetic screening along the south and east sides and any of the eastern portion of the north side of the construction laydown area. Install long-term aesthetic screening along the west side of Monterey Road.	Submit any required revisions within 30 days of notification by the CPM.	Within 30 days of receiving notification			
VIS-6	The project owner shall comply with the requirements of Policy 12 of the General Development Plan Standards of the Master Development Plan and Guidelines for the North Coyote Valley Campus Industrial Area regarding truck loading docks and storage and service areas.	Submit the proposed temporary and long-term aesthetic screening plans to the City of San Jose for review and comment and the CPM for review and approval.	At least sixty (60) days prior to installing the screening			

METCALF ENERGY CENTER - COMPLIANCE MATRIX						
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CP/M/CBO	Status/Comments
START OF MOBILIZATION/ROUGH GRADING	1/14/2002					
START OF CONSTRUCTION	9/1/2002					
VIS-6	The project owner shall comply with the requirements of Policy 12 of the General Development Plan Standards of the Master Development Plan and Guidelines for the North Coyote Valley Campus Industrial Area re: screening of truck loading docks and storage and service areas.	Submit any required revisions	Within 30 days of notification			
VIS-6	The project owner shall comply with the requirements of Policy 12 of the General Development Plan Standards of the Master Development Plan and Guidelines for the North Coyote Valley Campus Industrial Area re: screening of truck loading docks and storage and service areas.	The project owner shall notify the CPM when ready for inspection	Within seven days after completing Installation of the screening			
VIS-7	Install aesthetic landscape screening along a portion of Coyote Ranch Road.	Submit the proposed aesthetic landscape screening plan to the City of San Jose and County of Santa Clara Parks and Recreation Department for review and comment.	90 days prior to start of construction	6/3/02	6/12/2001, 5/7/2003	Submitted
VIS-7	Install aesthetic landscape screening along a portion of Coyote Ranch Road.	Submit the proposed aesthetic landscape screening plan to the CPM for review and approval.	90 days prior to start of construction	6/3/02	6/12/2001, 5/7/2003	Submitted
VIS-7	Install aesthetic landscape screening along a portion of Coyote Ranch Road.	Submit any required revisions	Within thirty (30) days of notification by the CPM.			
VIS-7	Install aesthetic landscape screening along a portion of Coyote Ranch Road.	Notify the CPM in writing that the aesthetic landscape screening installation is ready for inspection.	Within seven (7) days after completing the implementation of the proposed plan			
VIS-8	The gas metering station east of Highway 101 shall be designed in a manner that helps visually screen it from views from Highway 101 and integrate it with its surroundings.	Submitt detailed design specifications for the gas metering station to the County of Santa Clara Parks and Recreation Department for review and comment.	At least sixty (60) days before the beginning of construction of the gas metering station			
VIS-8	The gas metering station east of Highway 101 shall be designed in a manner that helps visually screen it from views from Highway 101 and integrate it with its surroundings.	Submitt detailed design specifications for the gas metering station to the CPM for review and approval.	At least sixty (60) days before the beginning of construction of the gas metering station			
VIS-8	The gas metering station east of Highway 101 shall be designed in a manner that helps visually screen it from views from Highway 101 and integrate it with its surroundings.	Submit any required revisions.	Required revision within 30 days of notification by CPM.			
VIS-8	The gas metering station east of Highway 101 shall be designed in a manner that helps visually screen it from views from Highway 101 and integrate it with its surroundings.	Notify the CPM that the aesthetic treatment and landscape screening installation is ready for inspection.	Within seven (7) days after implementing the proposed plan			
VIS-9	The power plant shall be designed in a manner that reduces its appearance as an industrial facility and helps visually integrate it with its surroundings.	Submit the proposed architectural design and comment.	At least sixty (60) days prior to the start of architectural treatment			Complete

METCAFF ENERGY CENTER: COMPLIANCE MATRIX						
Condition No.	Requirements & Task Summary	Action Required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO
START OF MOBILIZATION/ROUGH GRADING	9/14/2002					
START OF CONSTRUCTION	9/1/2002					
VIS-9	The power plant shall be designed in a manner that reduces its appearance as an industrial facility and helps visually integrate it with its surroundings.	Submit the proposed architectural design treatment plan to the CPM for review and approval.	At least sixty (60) days prior to the start of architectural treatment	10/2/02		Submitted. Comments received 10/31/02.
VIS-9	The power plant shall be designed in a manner that reduces its appearance as an industrial facility and helps visually integrate it with its surroundings.	Shall submit any required revisions.	Within thirty (30) days of notification by the CPM	11/3/02	11/25/02	Submitted. Received comments 2/10/03.
VIS-9	The power plant shall be designed in a manner that reduces its appearance as an industrial facility and helps visually integrate it with its surroundings.	Notify the CPM in writing that all structures are ready for inspection.	Thirty (30) days prior to the start of commercial operation			
VIS-10	The power plant shall be designed and operated to minimize visible plumes.	Submit the proposed plume abatement plan to the City of San Jose for review and comment.	At least sixty (60) days prior to the start of construction	7/3/02	9/6/01	N/A Complete
VIS-10	The power plant shall be designed and operated to minimize visible plumes.	Submit the proposed plume abatement plan to the CPM for review and approval.	At least sixty (60) days prior to the start of construction	7/3/02	9/5/01	Submitted. CEC comments received.
VIS-10	The power plant shall be designed and operated to minimize visible plumes.	The project owner shall submit any required revisions.	Within 30 days of notification by the CPM.	9/24/02, 11/6/02, 2/21/03, 5/27/03		Submitted revised plan. CEC comments received 4/25/03.
VIS-11	Trail development along the Fisher Creek corridor adjacent to the power plant site.	This project owner shall submit to the City of San Jose and the County of Santa Clara Parks and Recreation Department for review and comment a specific plan.	Start of construction of the trail between Blanchard Road and railroad tracks			
VIS-11	Trail development along the Fisher Creek corridor adjacent to the power plant site.	Submit to the CPM for review and approval a specific plan describing its landscape plan.	Start of construction of the trail between Blanchard Road and railroad tracks			
VIS-11	Trail development along the Fisher Creek corridor adjacent to the power plant site.	Submit any required revisions.	Within 30 days of notification by the CPM.			
VIS-12	Contact the owners of property along Blanchard Road and develop a plan to screen views of the project from each property if so desired by a property owner.	Notify the CPM, City of San Jose and County of Santa Clara Parks and Recreation Department that the planning installation is ready for inspection.	7 days after completion of planning installation			
VIS-12	Contact the owners of property along Blanchard Road and develop a plan to screen views of the property from each property if so desired by a property owner.	Provide to the CPM a report on the landscaping/screening plan.	15 days prior to project construction	8/17/02	7/30/02	9/24/02 Complete
CUL-1	Name and statement of qualifications of its designated cultural resource specialist.	Notify the CPM when any measures are ready for inspection.	Measures are ready for inspection			
CUL-1	Name and statement of qualifications of its designated cultural resources specialist.	Submit name and qualifications.	90 days prior to site preparation	10/16/01	7/26/01	7/27/01 Complete
CUL-1	Name and statement of qualifications of its designated cultural resources specialist.	Confirm in writing to the CPM that the approved designated cultural resource specialist will be available at the start of construction.	At least 10 days but no more than 30 days prior to the start of earth disturbing activities	12/15/01	7/26/01	9/25/01 1/22/02 Complete

METCALF ENERGY CENTER: COMPLIANCE MATRIX

Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO	Status: Comments
CUL-1	Name and statement of qualifications of its designated cultural resource specialist. Provide the designated cultural resource specialist and the CPM with maps and drawings showing the footprint of the power plant and all linear facilities.	Obtain CPM approval of the replacement specialist. Provide the designated cultural resource specialist and the CPM with the maps and drawings.	10 days prior to termination of Cultural Specialist 75 days prior to the start of earth disturbing activities	10/31/01 9/20/01	9/20/01 11/1/01	11/1/01 Complete	
CUL-2	CRS shall prepare, and the owner shall submit to the CPM for review and written approval, a CRMMP.	Submit the Cultural Resources Monitoring and Mitigation Plan.	60 days prior to project site preparation	11/15/01 6/12/01	6/12/01 12/15/01	12/15/01 Complete	
CUL-3	WEAT for cultural resources	Submit to the CPM for review and written approval, the proposed WEAT.	60 days prior to the start of construction on the project	11/15/01 9/20/01	9/20/01 12/5/01	12/5/01 Complete	
CUL-4	WEAT to all project managers, all construction supervisors, and those workers who operate ground disturbing equipment.	Provide the CPM with documentation that WEAT was administered.	7 days after start of construction	1/21/02 Monthly Compliance Report	9/29/01 2/10/02	2/10/02 Complete	In progress
CUL-5	WEAT to all project managers, all construction supervisors, and those workers who operate ground disturbing equipment.	Provide the CPM with documentation that WEAT was administered.					
CUL-6	CRS or monitor shall have the authority to halt or redirect construction if previously unknown cultural resource sites or materials are encountered.	Provide the CPM with a letter confirming CUL-6.	30 days prior to site preparation	12/15/01 7/20/01	7/20/01 8/6/01	8/6/01 Complete	
CUL-6	CRS or monitor shall have the authority to halt or redirect construction if previously unknown cultural resource sites or materials are encountered.	For any cultural resource encountered, the project owner shall notify the CPM within 24 hours.	Within 24 hours of cultural resource discovery				
CUL-7	Provide the designated cultural resource specialist with a current schedule of anticipated project activity in the following month and a map.	Provide the CPM with a copy of each weekly schedule of the construction activities.	10 days prior to site preparation	1/14/02 Monthly Compliance Report	9/28/01 1/14/02	1/14/02 Complete	In progress
CUL-7	CRS/monitor keep a daily log of any resource finds and the progress or status of the resources monitoring, mitigation, preparation, identification, and analytical work being conducted for the project.	Copies of the weekly summary reports shall be submitted to the CPM in the Monthly Compliance Report.					
CUL-8	Except in the areas specified in CUL-3(f), the designated cultural resource specialist or delegated monitor(s) shall be present at times the specialist deems appropriate.	Copies of the weekly summary reports prepared by the designated cultural resource specialist regarding project-related cultural resource monitoring.					In progress
CUL-9	Obtain ground disturbance or cultural resource excavation permits from Caltrans and/or the U.S. Army Corps of Engineers.	Submit a copy of any permit addressing data recovery excavation.					
CUL-10	Obtain ground disturbance or cultural resource excavation permits from Caltrans and/or the U.S. Army Corps of Engineers.	Provide written documentation to the permitting agency of compliance with any mitigation measures.	Completion of mitigation activity	3/14/03	Submitted In March 2003 MCR.		

METCALF ENERGY CENTER - COMPLIANCE MATRIX						
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO
START OF MOBILIZATION/ROUGH GRADING	1/14/2002					
START OF CONSTRUCTION	8/1/2002					
CUL-11	Ensure that the CRS performs the recovery, etc. of all cultural resource materials encountered and collected.	Maintain in its compliance files, copies of signed contracts or agreements with the museum(s), university (ies), or other appropriate research specialist(s).	Periodic Audit by the CPM			
CUL-12	Prepare a scope of work for Cultural Resources Report following completion of data recovery and site mitigation work.	Submit it to the CPM for review and written approval.	7 days after completion of the proposed scope of work,			
CUL-12	Prepare a scope of work for Cultural Resources Report following completion of data recovery and site mitigation work.	Ensure that the designated cultural resources specialist prepares the proposed scope of work .	Completion of Data Recovery per. CUL-12			
CUL-13	Prepare a Cultural Resources Report as described in CUL-13. Submit the report to the CPM for review and written approval.	Ensure that the designated cultural resource specialist completes the Cultural Resources Report.	Within 90 days following completion of the data recovery and site mitigation work			
CUL-13	Prepare a Cultural Resources Report as described in CUL-13.	Submit the Cultural Resources Report to the CPM for review and written approval.	Within seven (7) days after completion of the report			
CUL-14	Submit an original, an original-quality copy, and a computer disc copy, of the CPM-approved Cultural Resource Report to the public repository to receive the recovered data and materials for curation, the SHPO and the appropriate Archaeological Information center(s), and the City of San Jose, to a person authorized to receive confidential cultural resources information.	Provide to the CPM documentation that the report has been sent to the public repository receiving the recovered data and materials for curation, the SHPO and the appropriate Archaeological Information center(s), and the City of San Jose, to a person authorized to receive confidential cultural resources information.	Within thirty (30) days after receiving approval of the Cultural Resources Report			
CUL-15	Ensure that all cultural resource materials, maps, and data collected during data recovery and mitigation for the project are delivered to a public repository.	Ensure that all recovered cultural resource materials are delivered for curation. For the life of the project, maintain copies of signed contracts or agreements with the public repository.	Within thirty (30) days after providing the CPM-approved Cultural Resource Report to the entities			
CUL-16	Consult with Ohlone/Costanoan Native American tribal representatives to develop an agreement(s) for qualified monitor(s).	Provide the CPM with a copy of all finalized agreement(s) for Native American (Ohlone/Costanoan) monitor(s).	30 days prior to site preparation	12/15/01	8/8/01	8/15/01
CUL-17	Presence/absence testing shall be conducted in the vicinity of the natural gas pipeline route or PG&E metering station.	Reports addressing the results of the presence/absence testing shall be included in the Monthly Compliance Report.	Monthly Compliance Report			
CUL-18	Comply with Cul-4 and Cul-5. Comply with Cul-2 and Cul-3 for the entire project. CRSS shall examine the area of initial project site mobilization.	Provide the CPM with information authored by the CRSS identifying the areas of initial site mobilization.	7 days prior to site mobilization	1/7/02	10/2/01	12/15/01
CUL-19	If the potable water wells and associated pipelines are to be located anywhere but in an area defined as part of the proposed project then a cultural resource assessment shall be required.	Submit the results of the records search and the results of the survey.	90 days prior to start of construction of walls			In progress for potable water line.

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Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date to CPM/CBO	Date submitted by CPM/CBO	Status/Comments
SOCIO-1	The project owner and its contractors and subcontractors shall recruit employees and procure materials and supplies within the City of San Jose and Santa Clara County.	Submit copies of contractor, subcontractor, vendor solicitations and guidelines stating hiring and procurement requirements and procedures.	60 days prior to site preparation	11/15/01	7/20/01	8/8/01 Complete
SOCIO-1	The project owner and its contractors and subcontractors shall recruit employees and procure materials and supplies within the City of San Jose and Santa Clara County.	Notify the CPM the reasons for any planned procurement of materials or hiring outside the local regional area that will occur during the next two months.	Monthly Compliance Report			In progress
SOCIO-2	Pay the one-time statutory school facility development fee as required at the time of filing.	Pay the statutory school facility development fee as required at the time of filing.	At Time of Filing			
SOCIO-2	Pay the one-time statutory school facility development fee as required at the time of filing.	Provide proof of payment of the statutory development fee.	Monthly Compliance Report after fees are paid			
BIO-1	Construction site and/or ancillary facilities preparation shall not begin until an approved Designated Biologist is available to be on site.	Submit name, qualifications, address and telephone number of the individual selected.	60 days prior to start of ground disturbance	11/15/01	7/23/01	7/27/01 Complete
BIO-1	Construction site and/or ancillary facilities preparation shall not begin until an approved Designated Biologist is available to be on site.	If the CPM determines the proposed Designated Biologist to be unacceptable, submit another individual's name and qualifications for consideration.	Notification by CPM that proposed Designated Biologist is unacceptable			
BIO-2	The CPM approved Designated Biologist shall perform the following during project construction and operation: see BIO-2 for detailed tasks.	Biologist shall maintain written records of the tasks described.	Monthly Compliance Report			In progress
BIO-2	The CPM approved Designated Biologist shall perform the following during project construction and operation: see BIO-2 for detailed tasks.	Submit record summaries in the Annual Compliance Report.	Annual Compliance Report			
BIO-3	Act on the advice of the Designated Biologist to ensure conformance with the Biological Resources Conditions of Certification and shall halt all construction activities, if necessary.	Notify the CPM by telephone of the circumstances and actions being taken to resolve the problem or the non-compliance with a condition.	Within 2 working days of notification of non-compliance			
BIO-4	Submit to the CPM for review and approval a copy of the final BRMIMP and shall implement the measures identified in the plan.	Provide the CPM with the final version of the BRMIMP.	45 days prior to start of ground disturbance	11/30/01	7/23/01	8/31/01 Complete
BIO-4	Develop the riparian corridor planting plan for the final BRMIMP and shall implement the measures identified in the plan.	Provide to the CPM for review and approval a written report identifying which items of the BRMIMP have been completed.	30 days after construction complete			
BIO-5	Develop the riparian corridor planting plan for inclusion into the BRMIMP.	Provide to the CPM for review and approval the riparian restoration plan.	45 days prior to ground disturbance	11/30/01	7/23/01	10/17/01 Complete
BIO-6	Develop WEAT for biological resources.	State in the Monthly Compliance Report the number of persons who have completed the training in the prior month.	Monthly Compliance Report			In progress
BIO-6	Develop WEAT for biological resources.	Provide copies of the WEAT and the name and qualifications of the person(s) administering the program.	60 days prior to start of rough grading	11/15/01	9/20/01	12/5/2001 3/13/02 (video) Complete

METCALF ENERGY CENTER - COMPLIANCE MATRIX						
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO
START OF MOBILIZATION/ROUGH GRADING	1/14/2002					
START OF CONSTRUCTION	9/1/2002					
BIO-7	Acquire a SAA from CDFG.	Submit to the CPM a copy of the final CDFG Streambed Alteration Agreement.	30 days prior to the start of any streambed alteration disturbances	9/30/02 (outfall)		In progress
BIO-8	Provide a final copy of the U.S. Fish and Wildlife Service Biological Opinion.	Submit to the CPM a copy of the USFWS Biological Opinion.	45 days prior to the start of ground disturbance	11/30/01	7/23/01	Complete
BIO-9	Provide a final copy of the Nationwide No.7 permit.	Submit to the CPM a copy of the Nationwide No. 7 permit.	30 days prior to the start of any streambed alteration	8/11/02	8/14/02	Submitted
BIO-10	Provide 116 acres of land on Tulare Hill and 15 acres of land on Coyote Ridge, the name of the entity that will be managing the land in perpetuity, and the endowment funds.	Provide to the CPM for approval the names of the management entity, written verification that the compensation lands have been purchased and written verification that the appropriate endowment fund has been received.	Within one week of commencing ground disturbances activities	11/21/02	2/26/02	Submitted
BIO-11	Develop a suitable final habitat management and monitoring plan for lands purchased on Tulare Hill and Coyote Ridge.	Provide the CPM with the final approved version of the management plan. Incorporate into the BRM/IMP.	60 days prior to start of ground disturbance	11/15/01	6/25/01	Complete
BIO-12	Incorporate into closure plan measures that address the local biological resources and incorporate into the BRM/IMP.	Address all biological resource-related issues associated with facility closure.	12 months prior to facility closure			
BIO-13	BIO-6. Examine the area and ensure no special status species are present.	Provide the CPM with the location, date(s), method(s), and results of the pre-examination.	10 days prior to mobilization	1/4/02	9/28/01	Complete
SOIL & WATER-1	Disinfected, tertiary-treated, recycled water will be used at the Metcalf Energy Center for cooling purposes and other appropriate non-potable uses.	Provide CPM with a copy of a valid Recycled Water use permit from the City of San Jose.	Construction complete			
SOIL & WATER-1	Potable water may be used for cooling purposes only in the event that SBWR recycled water service is interrupted.	Provides a record of water consumption for the MEC.	Monthly Compliance Report			
SOIL & WATER-1	Potable water may be used for cooling purposes only in the event that SBWR recycled water service is interrupted.	Provide a record of water consumption for the MEC.	Annual Compliance Report			
SOIL & WATER-2	Provide a firm commitment for its construction water supply.	Submit commitment to CPM.	30 days prior to the start of construction	8/2/02	12/5/01	12/28/01
SOIL & WATER-2	Storm Water Pollution Prevention Plan (SWPPP) for construction.	Submit a copy of the SWPPP to the CPM for review and approval.	30 days prior to start of ground disturbance	12/15/01	8/31/01	Complete for project site
SOIL & WATER-2	Storm Water Pollution Prevention Plan (SWPPP) for construction.	Approval of the plan by the CPM must be received prior to the initiation of any clearing, grading or excavation activities.	Start of ground disturbance	1/14/02	8/31/01	Complete for project site
SOIL & WATER-3	Final erosion control and revegetation plan that addresses all project elements.	Approval of the final plan by the CPM must be received prior to the initiation of any clearing, grading or excavation activities.	Start of ground disturbance	12/15/01	8/31/01	Complete for project site
SOIL & WATER-4	Obtain SCVWID approval for all activities within floodways or upon or within the banks of watercourses.	Obtain SCVWID approval.	30 days prior to ground disturbance	12/15/01	8/31/01, 1/20/02, 12/2/02, 2/12/03	Complete (5 permits to date)
SOIL & WATER-5	Develop and implement a Storm Water Pollution Prevention Plan (SWPPP) as required under the General Industrial Activity Storm Water Permit.	Develop and Implement a Storm Water Pollution Prevention Plan (SWPPP).	60 days prior to commercial operation			

METCALF ENERGY CENTER - COMPLIANCE MATRIX					
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO
START OF MOBILIZATION/ROUGH GRAVING	1/14/2002				
START OF CONSTRUCTION	9/1/2002				
SOIL & WATER-5	Develop and Implement a Storm Water Pollution Prevention Plan (SWPPP) as required under the General Industrial Activity Storm Water Permit.	Submit a copy of the Storm Water Pollution Prevention Plan (SWPPP).	2 weeks prior to commercial operation		
SOIL & WATER-6	Industrial Discharge Permit from the City of San Jose Environmental Services Division.	Provide the CPM a copy of a valid Industrial Discharge Permit.	45 days prior to commercial operation		
SOIL & WATER-7	Obtain a Section 401 Certification from the San Francisco RWQCB.	Submit to the CEC CPM a copy of the Section 401 Certification.	30 days prior to the start of any streambed alteration activities	5/1/03	12/02/02 (outfall)
SOIL & WATER-8	Shall only use groundwater for MEC process and domestic requirements and for back-up cooling make up from either the two wells and pipelines.	Submit the following to the Energy Commission numbers, any construction or operation conditions.	30 days prior to construction of wells		Complete for outfall
SOIL & WATER-8	Shall only use groundwater for MEC process and domestic requirements and for back-up cooling make up from either the two wells and pipelines.	Notify the CPM that the wells have been aquifer tests conducted.	30 days after completion of wells		
SOIL & WATER-9	Design, construct, and fully fund the portion of the SBWR reclaimed water supply pipeline dedicated to, and essential for, the operation of MEC.	Submit evidence demonstrating that the project owner has negotiated or is negotiating one or more agreements to provide SBWR reclaimed water.	30 days prior to start of construction	8/2/02	8/24/01
GEO-1	Assign to the project an engineering geologist(s).	Submit to the CPM the name(s) and license number(s) of the certified engineering geologist(s).	30 days prior to start of construction	8/2/02	7/27/2001 1/28/02
GEO-1	Assign to the project an engineering geologist(s).	Notify CPM of replacement of Engineering Geologist	Replacement of Engineering Geologist	1/28/02	N/A
GEO-2	The assigned engineering geologist(s) shall carry out the duties required by the 1988 CBC.	Submit Grading Permit Application	Application for Grading Permit per GEO-2	1/1/02	4/4/02
GEO-2	The assigned engineering geologist(s) shall carry out the duties required by the 1988 CBC.	Submit a signed statement to the CPM stating that the Engineering Geology Report has been submitted to the CBO.	15 days after submittal of application	1/28/02	1/14/02
GEO-2	The assigned engineering geologist(s) shall carry out the duties required by the 1988 CBC.	Submit copies of the Final Engineering Geology Report to the CPM and the CBO.	90 days following completion of Final Grading		2/6/02
PAL-1	Ensure that the designated paleontological resource specialist is available for field activities.	Submit the name and resume and the availability for its designated paleontological resource specialist.	90 days prior to start of construction	6/3/02	7/27/01
PAL-1	Ensure that the designated paleontological resource specialist is available for field activities.	Obtain CPM approval of the replacement specialist.	10 days prior to termination or release of PRS		Complete
PAL-2	Prepares Paleontologic Resources Monitoring and Mitigation Plan.	Provide the CPM with a copy of the Monitoring and Mitigation Plan.	60 days prior to start of construction	6/12/01	7/27/01
PAL-3	WEAT for paleo resources.	Submit to the CPM for review, comment, and written approval, the WEAT.	30 days prior to start of construction	9/20/01	10/3/2001 3/20/02 (video)
PAL-3	WEAT for paleo resources.	Documentation for training of additional new employees.	Monthly Compliance Report		In progress
PAL-4	The designated paleontological resource specialist shall be present at all times he or she deems appropriate to monitor.	Include a summary of paleontological activities.	Monthly Compliance Report		In progress

METCALF ENERGY CENTER - COMPLIANCE MATRIX						
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO
PAL-5	Ensure recovery, preparation for analysis, analysis, identification and inventory, the preparation for curation, and the delivery for curation of all significant paleontological resource materials.	Maintain in compliance files copies of signed contracts or agreements with the designated paleontological resource specialist. Maintain these files for a period of three years after approval Paleontological Resources Report.	Periodic Audit by the CPM per PAL-5			
PAL-6	Ensure preparation of a Paleontological Resources Report by the designated paleontological resource specialist.	Submit a copy of the Paleontological Resources Report to the CPM for review and approval.	Within 90 days following completion of the analysis			
PAL-7	Include in the facility closure plan a description regarding facility closure activity's potential to impact paleontological resources.	Include a description of closure activities in the facility closure plan.	Facility Closure Plan			
GEN-1	Design, construct and inspect the project in accordance with the 1988 California Building Code (CBC) and all other applicable LORS in effect at the time initial design plans are submitted to the CBO for review and approval.	Submit to the CPM a statement of verification attesting that all designs, construction, installation and inspection requirements of the applicable LORS and the Decision have been met.	Within 30 days after receipt of the Certificate of Occupancy.			
GEN-1	Design, construct and inspect the project in accordance with the 1988 California Building Code (CBC) and all other applicable LORS in effect at the time initial design plans are submitted to the CBO for review and approval.	Provide the CPM a copy of the Certificate of Occupancy.	Within 30 days after receipt of the Certificate of Occupancy.			
GEN-2	Submit to the CPM and CBO a schedule of facility design submittals, a Master Drawing List, and a Master Specifications List.	Submit the schedule, a Master Drawing List, and a Master Specifications List to the CBO and to the CPM.	60 days prior to start of rough grading	11/15/01	10/4/01	10/18/01
GEN-2	Submit to the CPM and CBO a schedule of facility design submittals, a Master Drawing List, and a Master Specifications List.	Provide schedule updates in Monthly Compliance Report	Monthly Compliance Report			
GEN-3	Make payments to the CBO for design review, plan check and construction inspection.	Make the required payments to the CBO at the time of submittal.	Submittal of plans to the CBO,			In progress
GEN-3	Make payments to the CBO for design review, plan check and construction inspection.	Send a copy of the CBO's receipt of payment to the CPM.	Monthly Compliance Report after Fees are Paid	11/15/01	12/14/01	N/A
GEN-4	Assign a California registered architect, structural engineer or civil engineer, as a resident engineer (RE).	Submit to the CBO for review and approval, the name, qualifications and registration number of the RE.	30 days prior to start of rough grading	12/15/01	8/1/01	8/7/01
GEN-4	Assign a California registered architect, structural engineer or civil engineer, as a resident engineer (RE).	Notify the CPM of the CBO's approvals of the RE.	Within 5 days of CBO approval	8/12/01	9/19/01	N/A
GEN-4	Assign a California registered architect, structural engineer or civil engineer, as a resident engineer (RE).	Submit qualifications of replacement RE.	Within 5 days	12/12/01	12/12/01	1/16/02
GEN-4	Assign a California registered architect, structural engineer or civil engineer, as a resident engineer (RE).	Notify the CPM of the CBO's approval of the new engineer (RE).	Within 5 days of CBO approval	1/21/02	1/18/02	N/A
GEN-4	Assign a California registered architect, structural engineer or civil engineer, as a resident engineer (RE).	Submit qualifications of replacement RE.	Within 5 days	11/14/02	11/18/2002, 5/7/03	Complete

METCALF ENERGY CENTER - COMPLIANCE MATRIX

Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO	Status/Comments
START OF MOBILIZATION/ROUGH GRADING	1/14/2002						
START OF CONSTRUCTION	9/1/2002						
GEN-4	Assign a California registered architect, structural engineer or civil engineer, as a resident engineer (RE).	Notify the CPM of the CBO's approval of the new engineer (RE).	Within 5 days of CBO approval	11/23/2002, 5/12/03	11/20/2002, 5/8/2003	N/A	Complete
GEN-5	Assign A) a civil engineer; B) a geotechnical engineer; C) a design engineer; D) a mechanical engineer; and E) an electrical engineer.	Submit to the CBO for review and approval, the names, qualifications, and registration numbers of all the responsible engineers.	30 days prior to start of rough grading	12/15/01	8/1/01	8/7/01	Complete
GEN-5	Assign A) a civil engineer; B) a geotechnical engineer; C) a design engineer; D) a mechanical engineer; and E) an electrical engineer.	The project owner shall notify the CPM of the CBO's approvals of the engineers within five days of the approval.	Within 5 days of CBO approval	8/12/01	8/16/01	N/A	Complete
GEN-5	Assign A) a civil engineer; B) a geotechnical engineer; C) a design engineer; D) a mechanical engineer; and E) an electrical engineer.	Submit qualifications of replacement engineer.	Within 5 days	12/17/01 11/26/01	1/16/02 1/18/01	1/16/02 1/18/01	Complete
GEN-5	Assign A) a civil engineer; B) a geotechnical engineer; C) a design engineer; D) a mechanical engineer; and E) an electrical engineer.	Notify the CPM of the CBO's approval of the new engineer.	Within 5 days of CBO approval	1/18/02 & 1/28/02	N/A	Complete	
GEN-5	Assign qualified and certified special inspector(s).	Submit to the CBO for review and approval, with a copy to the CPM, the name(s) and qualifications.	15 days prior to any activity requiring Special Inspection	1/11/02	1/16/02	1/16/02	In progress
GEN-5	Assign qualified and certified special inspector(s).	Submit to the CPM a copy of the CBO's approval.	Monthly Compliance Report after Special Inspectors are approved	2/14/2002 10/22/02			
GEN-6	Assign qualified and certified special inspector(s).	Replacement of special Inspectors	Replacement of Special Inspector				
GEN-6	Assign qualified and certified special inspector(s).	Notify the CPM of the CBO's approval of the newly assigned inspector.	Within 5 days of CBO approval				
GEN-6	Keep the CBO informed regarding the status of engineering and construction.	Submit monthly construction progress reports to the CBO and CPM.	Monthly Construction Progress Report				
GEN-7	Keep the CBO informed regarding the status of engineering and construction.	Document the discrepancy and recommend the corrective action required.	Discrepancy in Design or Construction				
GEN-7	Keep the CBO informed regarding the status of engineering and construction.	Transmit a copy of the CBO's approval or disapproval of any corrective action taken to resolve a discrepancy to the CPM.	Within 15 days of CBO Approval or Disapproval of Discrepancy				
GEN-7	Keep the CBO informed regarding the status of engineering and construction.	If disapproved, advise the CPM, the reason for disapproval, and the revised corrective action to obtain CBO's approval.	Within 5 days of CBO Approval or Disapproval of Discrepancy				
GEN-8	Obtain the CBO's final approval of all completed work.	Submit to the CBO, with a copy to the CPM, a written notice that the completed work is ready for final inspection, and a signed statement that the work conforms to the final approved plans.	Within 15 days of the completion of any work				
CIVIL-1	Prior to the start of site grading, submit to the CBO for review and approval the following: 1. Design of the proposed drainage structures and the grading plan; 2. An erosion and sedimentation control plan; 3. Related calculations and specifications; 4. Soils report	Submit the documents described above to the CBO for review and approval.	15 days prior to start of rough grading	12/30/01	8/27/01	4/2/02	Complete (Except for approval of Construction Facilities Plan, Rev.2)

METCALF ENERGY CENTER - COMPLIANCE MATRIX						
Condition No.	Requirements & Task Summary	Action required	Event	Required Submit Date	Date submitted to CPM/CBO	Date approved by CPM/CBO
START OF MOBILIZATION/ROUGH GRADING	1/14/2002					
START OF CONSTRUCTION	9/11/2002					
CIVIL-1	Prior to the start of site grading submit to the CEO for review and approval the following: 1. Design of the proposed drainage structures and the grading plan; 2. An erosion and sedimentation control plan; 3. Related calculations and specifications; 4. Soils report	Submit a written statement certifying that the documents have been approved by the CBO.	Monthly Compliance Report after CIVIL-1 Documents are Approved	5/14/02	5/14/02	Submitted with May Monthly Compliance Report.
CIVIL-2	The resident engineer shall, if appropriate, stop all earthwork and construction in the affected areas where the responsible geotechnical engineer identifies unforeseen adverse soil or geologic conditions.	Notify CPM within 5 days when work is stopped.	Within 5 days when work is stopped			
CIVIL-2	The resident engineer shall, if appropriate, stop all earthwork and construction in the affected areas when the responsible geotechnical engineer identifies unforeseen adverse soil or geologic conditions.	Submit modified plans, specifications and calculations to the CBO based on new conditions.	Work Stopped Due to Unforeseen or Adverse Soil Conditions			
CIVIL-2	The resident engineer shall, if appropriate, stop all earthwork and construction in the affected areas when the responsible geotechnical engineer identifies unforeseen adverse soil or geologic conditions.	Copy CPM within 5 days of CBO approval of Modified Plans.	5 days of CBO approval			
CIVIL-3	Perform Inspections in accordance with the 1998 CBC, Chapter 1, Section 108, Inspections, Chapter 17, Section 1701.6, Continuous and Periodic Special Inspection and Appendix Chapter 33, Section 3317, Grading Inspection.	Perform Inspections in accordance with the 1998 CBC, Chapter 1, Section 108, Inspections, Chapter 17, Section 1701.6, Continuous and Periodic Special Chapter 17, Section 1701.6, Continuous, and Periodic Special Inspection and Appendix Chapter 33, Section 3317, Grading Inspection.	Start of Rough Grading			
CIVIL-3	Perform Inspections in accordance with the 1998 CBC, Chapter 1, Section 108, Inspections, Chapter 17, Section 1701.6, Continuous and Periodic Special Inspection and Appendix Chapter 33, Section 3317, Grading Inspection.	Perform Inspections in accordance with the 1998 CBC, Chapter 1, Section 108, Inspections, Chapter 17, Section 1701.6, Continuous and Periodic Special Chapter 17, Section 1701.6, Continuous, and Periodic Special Inspection and Appendix Chapter 33, Section 3317, Grading Inspection.	The resident engineer shall transmit to the CBO and the CPM a Non-Conformance Report and the proposed corrective action.	Within 5 days of discovery of discrepancy in grading		
CIVIL-3	Perform Inspections in accordance with the 1998 CBC, Chapter 1, Section 108, Inspections, Chapter 17, Section 1701.6, Continuous and Periodic Special Inspection and Appendix Chapter 33, Section 3317, Grading Inspection.	Perform Inspections in accordance with the 1998 CBC, Chapter 1, Section 108, Inspections, Chapter 17, Section 1701.6, Continuous and Periodic Special Inspection and Appendix Chapter 33, Section 3317, Grading Inspection.	Submit the details of the corrective action to the CBO and the CPM.	Within 5 days of resolution of grading NCR.		
CIVIL-3	Perform Inspections in accordance with the 1998 CBC, Chapter 1, Section 108, Inspections, Chapter 17, Section 1701.6, Continuous and Periodic Special Inspection and Appendix Chapter 33, Section 3317, Grading Inspection.	A list of NCR's, for the reporting month, shall also be included in the following Monthly Compliance Report.	Monthly Compliance Report after Resolution of Grading NCR.			
CIVIL-4	After compilation of finished grading and erosion and sedimentation control and drainage facilities, the project owner shall obtain the CBO's approval of the final "as-graded" grading plans, and final "as-built" plans for the erosion and sedimentation control facilities.	Submit to the CBO the responsible Civil engineer's signed statement that the installation of the facilities and all erosion control measures were completed in accordance with the final approved combined grading plans.	30 days after completion of the Erosion and Sediment Control Mitigation and Drainage Facilities	7/26/02	7/26/2002 / 16/03	Complete for phase 1 grading only.

METCALF ENERGY CENTER COMPLIANCE MATRIX						
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Status/Comments
CIVIL-4	After completion of finished grading and erosion and sedimentation control and drainage facilities, the project owner shall obtain the CBO's approval of the final "as-graded" grading plans, and final "as-built" plans for the erosion and sedimentation control facilities.	Submit a copy of this report to the CPM in the next Monthly Compliance Report.	Monthly Compliance Report Following Completion of the Erosion and Sediment Control Mitigation and Drainage Facilities	8/14/02	8/14/2002 / 11/17/03	Complete for phase 1 grading only.
STRU-C-1	Submit to the CBO for review and approval the applicable designs, plans and drawings, and a list of those project structures, components and major equipment items that will undergo dynamic structural analysis.	Submit to the CBO, with a copy to the CPM, the responsible design engineer's signed statement that the final design plans, specifications and calculations conform with all of the requirements.	30 days prior to any increment of STRUC-1 Construction			
STRU-C-1	Submit to the CBO for review and approval the applicable designs, plans and drawings, and a list of those project structures, components and major equipment items that will undergo dynamic structural analysis.	Obtain approval from the CBO of lateral force procedures proposed for project structures. Obtain approval from the CBO for the final design plans, specifications, calculations, soils reports, and applicable quality control procedures. Submit to the CBO the required number of copies of the structural plans, specifications, calculations. The final designs, plans, calculations and specifications shall be signed and stamped by the responsible design engineer.	90 days prior to the start of on-site fabrication and installation of each structure			In progress
STRU-C-1	Submit to the CBO for review and approval the applicable designs, plans and drawings, and a list of those project structures, components and major equipment items that will undergo dynamic structural analysis.	If the CBO discovers non-conformance with the stated requirements, resubmit the corrected plans to the CBO with a copy to the CPM.	Within 20 days of receipt of the nonconforming submittal			
STRU-C-1	Submit to the CBO for review and approval the applicable designs, plans and drawings, and a list of those project structures, components and major equipment items that will undergo dynamic structural analysis.	Submit to the CPM a copy of a statement from the CBO that the proposed structural plans, specifications, and calculations have been approved and are in conformance with the requirements.	Approval by the CBO of Resubmitted STRUC-1 Submittal			
STRU-C-2	The project owner shall submit to the CBO the required number of sets of the following: See STRUC-2.	Submit test reports and inspection reports to the CBO	Test Reports or Inspection Reports are Complete			
STRU-C-2	The project owner shall submit to the CBO the required number of sets of the following: See STRUC-2.	If a discrepancy is discovered in any of the above data prepare and submit an NCR to the CBO, with a copy of the transmittal letter to the CPM.	Within 5 days of discovery of discrepancy			
STRU-C-2	The project owner shall submit to the CBO the required number of sets of the following: See STRUC-2.	Submit a copy of the corrective action to the CBO and the CPM.	Within five days of resolution of the NCR			
STRU-C-2	The project owner shall submit to the CBO the required number of sets of the following: See STRUC-2.	Transmit a copy of the CBO's approval or disapproval of the corrective action to the CPM.	Within 15 days of CBO approval			
STRU-C-2	The project owner shall submit to the CBO the required number of sets of the following: See STRUC-2.	If disapproved, advise the CPM, the reason for disapproval, and the revised corrective action to obtain CBO's approval.	Within 5 days of CBO disapproval			

METCALF ENERGY CENTER - COMPLIANCE MATRIX

Condition No.	Requirements & Task Summary	Action required	Event	Required Submission Date	Date submitted to CPM/CBO	Date approved by CPM/CBO	Status/Comments
START OF MOBILIZATION/ROUGH GRADING	9/1/14/2002						
START OF CONSTRUCTION	9/1/2002						
STRUC-3	Submit to the CBO design changes to the final plans required by the 1998 CBC, Chapter 1, Section 106.3.2, Submittal documents, and Section 106.3.3.	Notify the CBO of the intended filing of design changes, and shall submit the required number of sets of revised drawings and the required number of copies with a copy of the transmittal letter to the CPM.	Design Changes to STRUC-1 Designs Previously Approved by the CBO				
STRUC-3	Submit to the CBO design changes to the final plans required by the 1998 CBC, Chapter 1, Section 106.3.2, Submittal documents, and Section 106.3.3.	Notify the CPM, via the Monthly Compliance Report, when the CBO has approved the revised plans.	Monthly Compliance Report				
STRUC-4	Tanks and vessels containing quantities of toxic or hazardous materials exceeding amounts must be designed to comply with Occupancy Category 2 of the 1998 CBC.	Submit to the CBO for review and approval, final design plans, specifications, and calculations, including a copy of the signed and stamped engineer's certification.	30 days prior to the start of installation of the tanks or vessels				
STRUC-4	Tanks and vessels containing quantities of toxic or hazardous materials exceeding amounts must be designed to comply with Occupancy Category 2 of the 1998 CBC.	Send copies of the CBO approvals of plan checks to the CPM in the following Monthly Compliance Report.	Monthly Compliance Report				
STRUC-4	Tanks and vessels containing quantities of toxic or hazardous materials exceeding amounts must be designed to comply with Occupancy Category 2 of the 1998 CBC.	Transmit a copy of the CBO's inspection approvals to the CPM.	Monthly Compliance Report				
MECH-1	Prior to the start of any increment of piping construction, submit, for CBO review and approval, the proposed final design drawings, specifications and calculations for each plant piping system.	Submit to the CBO for approval, with a copy to the CPM, the proposed final design plans, specifications, calculations, and quality control procedures for that increment of construction of piping systems.	30 days prior to the start of any increment of piping construction				
MECH-1	Prior to the start of any increment of piping construction, submit, for CBO review and approval, the proposed final design drawings, specifications and calculations for each plant piping system.	Transmit a copy of the CBO's inspection approvals to the CPM in the Monthly Compliance Report following completion of any inspection.	Monthly Compliance Report after CBO Inspection Approval of MECH-1 Piping Systems				
MECH-2	For all pressure vessels installed in the plant, submit to the CBO and Cal-OSHA, prior to operation, the code certification papers and other documents required by the applicable LORS.	Submit to the CBO for review and approval, final design plans, specifications, and calculations, including a copy of the signed and stamped engineer's certification, with a copy to the CPM.	30 days prior to the start of on-site fabrication or installation of any pressure vessel				
MECH-2	For all pressure vessels installed in the plant, submit to the CBO and Cal-OSHA, prior to operation, the code certification papers and other documents required by the applicable LORS.	The project owner shall send copies of the CBO plan check approvals to the CPM in the following Monthly Compliance Report.	Monthly Compliance Report after CBO Approval of Plan Checks for Pressure Vessels				

METCALF ENERGY CENTER - COMPLIANCE MATRIX					
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal date	Date submitted to CPM/CBO
START OF MOBILIZATION/ROUGH GRADING	9/1/2002				
START OF CONSTRUCTION	9/1/2002				
MECH-2	For all pressure vessels installed in the plant, submit to the CBO and Cal-OSHA, prior to operation, the code certification papers and other documents required by the applicable LORS.	Transmit a copy of the CBO's and/or Cal-OSHA Inspection approvals to the CPM in the Monthly Compliance Report following completion of any inspection.	Monthly Compliance Report after CBO Inspection Approval of Pressure Vessels Defined in MECH-2		
MECH-3	Prior to the start of construction of any heating, ventilating, air conditioning (HVAC) or refrigeration system, submit to the CBO for review and approval the design plans, specifications, calculations and quality control procedures for that system.	Submit to the CBO the required HVAC and refrigeration calculations, plans and specifications, including a copy of the signed and stamped statement from the responsible mechanical engineer, with a copy to the CPM.	30 days prior to the start of construction of any HVAC or refrigeration system		
MECH-3	Prior to the start of construction of any heating, ventilating, air conditioning (HVAC) or refrigeration system, submit to the CBO for review and approval the design plans, specifications, calculations and quality control procedures for that system.	Send copies of CBO comments and approvals to the CPM in the next Monthly Compliance Report.	Monthly Compliance Report after CBO Approval of Plan Checks for HVAC Systems		
MECH-3	Prior to the start of construction of any heating, ventilating, air conditioning (HVAC) or refrigeration system, submit to the CBO for review and approval the design plans, specifications, calculations and quality control procedures for that system.	Transmit a copy of the CBO's inspection approvals to the CPM in the Monthly Compliance Report following completion of any inspection.	Monthly Compliance Report after CBO Inspection Approval of HVAC Systems Defined in MECH-3		
MECH-4	Prior to the start of each increment of plumbing construction, submit for CBO's approval the final design plans, specifications, calculations, and QA/QC procedures for all plumbing systems, potable water systems, drainage systems, toilet rooms, building energy conservation systems, and temperature control and ventilation systems, including water and sewer connection permits issued by the local agency.	Submit to the CBO the final design plans, specifications and calculations, including a copy of the signed and stamped statement from the responsible mechanical engineer certifying compliance with the applicable edition of the CBC	30 days prior to the start of construction of any of the above systems		
MECH-4	Prior to the start of each increment of plumbing construction, submit for CBO's approval the final design plans, specifications, calculations, and QA/QC procedures for all plumbing systems, potable water systems, drainage systems, toilet rooms, building energy conservation systems, and temperature control and ventilation systems, including water and sewer connection permits issued by the local agency.	Send the CPM a copy of the transmittal letter with the signed and stamped statement from the responsible mechanical engineer certifying compliance with the applicable edition of the CBC in the next Monthly Compliance Report.	Monthly Compliance Report after Mechanical Engineer Certification of HVAC System per MECH-4		

METCALF ENERGY CENTER: COMPLIANCE MATRIX					
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO
START OF MOBILIZATION/ROUGH GRADING	9/1/2002				
START OF CONSTRUCTION	9/1/2002				
MECH-4	Prior to the start of each increment of plumbing construction, submit for CBO's approval the final design plans, specifications, calculations, and QA/QC procedures for all plumbing systems, potable water systems, drainage systems, toilet rooms, building energy conservation systems, and temperature control and ventilation systems, including water and sewer connection permits issued by the local agency.	Transmit a copy of the CBO's inspection approvals to the CPM in the next Monthly Compliance Report following completion of that increment of construction.	Monthly Compliance Report after CBO Inspection of HVAC System per MECH-4		
ELEC-1	For the 480V and higher systems, shall not begin any increment of electrical construction until plans for that increment have been approved by the CBO.	Submit to the CBO for review and approval the final design plans, specifications and calculations for electrical equipment. Including a copy of the signed and stamped statement from the responsible electrical engineer.	30 days prior to the start of each increment of electrical construction		
ELEC-1	For the 480V and higher systems, shall not begin any increment of electrical construction until plans for that increment have been approved by the CBO.	Send a copy of the transmittal letter of the signed and stamped statement from the electrical engineer attesting compliance with the applicable LORS to the CPM. The following activities shall be reported in the Monthly Compliance Report: 1. Receipt or delay of major electrical equipment; 2. Testing or energization of major electrical equipment.	Monthly Compliance Report after CBO Approval per ELEC-1		
ELEC-1	For the 480V and higher systems, shall not begin any increment of electrical construction until plans for that increment have been approved by the CBO.	Submit to the CBO for review and approval the final design plans, specifications and calculations, for electrical equipment, including a copy of the signed and stamped statement from the responsible electrical engineer certifying compliance with the applicable LORS.	Monthly Compliance Report after Receipt or Testing of Equipment or CBO Approval of Electrical Drawings per ELEC-1		
ELEC-2	The project owner shall submit to the CBO the required number of copies of items A and B for review and approval and one copy of item C [CBC 1998, Section 106.3.2, Submittal documents.]	Send a copy of the transmittal letter of the signed and stamped statement from the responsible electrical engineer attesting compliance with the applicable LORS to the CPM in the next Monthly Compliance Report.	30 days prior to the start of each increment of electrical equipment installation		In progress
ELEC-2	The project owner shall submit to the CBO the required number of copies of items A and B for review and approval and one copy of item C [CBC 1998, Section 106.3.2, Submittal documents.]	Submit for approval to the CPM: Design drawings, specifications and calculations for the poles/towers, foundations, anchor bolts, conductors, grounding systems and major switchyard equipment.	Monthly Compliance Report after submitting Electrical Documents for CBO Approval per ELEC-2		
TSE-1	Ensure the design, construction and operation of transmission facilities conform to requirements TSE1a - h listed in Conditions of Certification.	Submit for approval to the CPM: b) For each element of the transmission facilities as identified above, the submittal package to the CPM shall contain the design criteria, etc.	60 days prior to construction of transmission facilities		
TSE-1	Ensure the design, construction and operation of transmission facilities conform to requirements TSE1a - h listed in Conditions of Certification.	Submit for approval to the CPM: b) For each element of the transmission facilities as identified above, the submittal package to the CPM shall contain the design criteria, etc.	60 days prior to construction of transmission facilities		

METGOLF ENERGY CENTER - COMPLIANCE MATRIX

Condition No.	Requirements & Task Summary	Action Required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO	Status/Comments
START OF MOBILIZATION/ROUGH GRADING	9/1/14/2002						
START OF CONSTRUCTION	9/1/2002						
TSE-1	Ensure the design, construction and operation of transmission facilities conform to requirements TSE 1a - h listed in Conditions of Certification.	Submit for approval to the CPM: c) Electrical one-line diagrams signed and sealed by the registered professional electrical engineer in responsible charge, a route map, and an engineering description of equipment.	60 days prior to construction of transmission facilities				
TSE-2	Inform the CPM of any impending changes which may not conform to the requirements of 1a - h listed in TSE-1 and request CPM approval to implement changes.	Inform the CPM of any impending changes which may not conform.	60 days prior to construction of transmission facilities				
TSE-3	Be responsible for the inspection of the transmission facilities during and after project construction and any subsequent CPM approved changes.	Transmit to the CPM "as built" engineering description(s) and one-line drawings of the as-built facilities signed and sealed by a registered electrical engineer in responsible charge.	Within 60 days after synchronization of the project				
TSE-3	Be responsible for the inspection of the transmission facilities during and after project construction and any subsequent CPM approved changes.	Transmit to the CPM an "as built" engineering description of the mechanical, structural, and civil portion of the transmission facilities signed and sealed by the registered engineer.	Within 60 days after synchronization of the project				
TSE-3	Milestones, and method of verification must be established and agreed upon by the project owner and the CPM no later than 30 days after project approval, the date of docketing. If this deadline is not met, the CPM will establish the milestones.	Transmit to the CPM a summary of inspections of the completed transmission facilities, and identification of any nonconforming work and corrective actions taken, signed and sealed by the registered engineer.	Within 60 days after synchronization of the project				
Governor's Executive Order No. D-25-01	Establish pre-construction milestones to enable start of construction within one year of certification	Project Certification	10/24/01	10/24/01	11/19/01	Complete	
US Dep Commerce	Milestones, and method of verification must be established and agreed upon by the project owner and the CPM no later than 30 days after project approval, the date of docketing. If this deadline is not met, the CPM will establish the milestones.	Establish construction milestones from date of start of construction	10/24/01	10/24/01	10/25/02 (rev.)	10/19/2001 10/25/02 (rev.)	Complete
Pre-constr matrix	The project applicant shall notify the NMFS Santa Rosa office when project construction begins and ends. (horizontal drilling)	Notify NMFS	Start of streamlined alteration activities				
Compliance matrix	Prior to commencing construction a compliance matrix addressing only those conditions that must be fulfilled before the start of construction shall be submitted to the CPM.	Construction shall not commence until the pre-construction matrix is submitted, all pre-construction conditions have been complied with, and the CPM has issued a letter to the project owner authorizing construction.	Start of Construction	9/1/02	8/7/02	8/30/02	Complete
	A compliance matrix shall be submitted by along with each monthly and annual compliance report.	Monthly Compliance Report	11/15/01	11/15/01			On-going

CBO SUBMITTALS, COMMENTS AND APPROVALS

**METCALF ENERGY CENTER
MONTHLY COMPLIANCE REPORT #20**



Power Plant CBO Team
Metcalf Energy Center
San Jose, California

May 1, 2003

DISPOSITION

Burns and Roe Enterprises, Inc.
200 Crawford Place, Suite 600
Mt. Laurel, New Jersey 08054

Attention: Jim Ferrara, Project Manager

Regarding:	CEC Docket No.:	(99-AFC-3)
	Condition of Certification:	STRUCT-1
	CBO Project No.:	MEC 13254
Subject:	Submittal Number:	5005-000147
		Lighting Design
		1 Calculation and 32 Drawings

The CBO has reviewed the above referenced submittal, and provides the following disposition, conditioned upon response to Note(s):

APPROVED ...conditioned upon attached comments

Should you have any questions or comments please contact Elias Segura (408) 463-6043.

Sincerely,

For: Donald C. Wimberly, P.E.
Delegate Chief Building Official
Willdan/AIMS CORPORATION

By: Hans (G.J.) Kosten
Deputy CBO
Willdan/AIMS CORPORATION

Copy: Nick LaPorte – Calpine CMCI
Kristen O’Kane – Calpine CMCI
Kevin Deters – Calpine CMCI

Barbara Hatt – Calpine CMCI (Doc. Control)
Elias Segura – Willdan / AIMS Corp.
Bart Brierty – Willdan / AIMS (CBO File)



Power Plant CBO Team
Metcalf Energy Center
San Jose, California

May 1, 2003

Comments

Regarding: CEC Docket No.: **(99-AFC-3)**
Condition of Certification: **STRUCT-1**
CBO Project No.: **MEC 13254**
Subject: Submittal Number: **5005-000147**
Lighting Design
1 Calculation and 32 Drawings

These comments are provided regarding the subject disposition dated May 1, 2003.

1. On MEC, page 65 of the Docket No. 99-AFC-3 on Elect-2, submit a statement and a lighting energy calculations signed by a registered electrical engineer.
2. On E146, E147, E148, E149 & E150 shows the following are missing on the panel schedule. Clarify.
 - a. Fire alarm devices
 - b. HVAC
 - c. Exhaust Fans
 - d. Fire dampers
3. On E146, E147, E148, etc. shows the load as noted on the panel schedule are either incomplete or not balance. Clarify.
4. On E148, correct the bus rating of 45 KVA as erroneously noted on the lighting panel on PDC-3.
5. On E620, correct the fixture designation from S2-1-PLS-PN-321A-16 to S2-1-PLS-PN-141A-16. The fixture is situated at the south side of pipe rack platform.
6. On E612, note 2 shows lighting circuits furnished by Siemens Westinghouse. A review of E614 shows a stanchion mount fixture but do not show lighting circuit furnished by Siemens Westinghouse. Also see E613. Clarify.
7. On E563, E654 and E655, the panelboard designation on the lighting control circuit is missing.
8. On E601 thru E620, lighting panelboard designations do not match with the plans.

end



Memorandum

TO: Bart Brierty, CBO at MetCalf
FROM: Gang Jiao, Willdan
SUBJECT: Drawing and Calculations for Ammonia Storage Tank Foundation
Submittal #3056; CBO #000164
MEC: 13254
DATE: May 2, 2003

We have reviewed the pile layout plans and calculations for the subject project. The pile design and layout are acceptable, thus we recommend your approval. However, the pile cap can not be approved at this time due to the following comments:

PART 1 – GENERAL COMMENTS

1. Pile cap details are not available in this submittal. Please provide.

PART 2 – STRUCTURAL CALCULATIONS

2. PAGE 8:

According to the designer's sketch, the maximum moment of the pile cap should occur at the mid-span where the external moment is applied. Please verify.



Memorandum

TO: Bart Brierty, CBO at MetCalf
FROM: Gang Jiao, Willdan
SUBJECT: Drawing and Calculations for Gas Compressor Foundation
Submittal #3057; CBO #000165
MEC: 13254
DATE: May 8, 2003

We have reviewed the pile layout plan and calculations for the subject project. Following are our comments. Since the comments are all minor, and neither of them will require a redesign of the subject pile foundation, we recommend your approval of the pile layout. However, the pile cap can not be approved at this time due to the lack of detail plans.

PART 1 – GENERAL COMMENTS

1. Pile cap details are not available in this submittal. Please provide.

PART 2 – STRUCTURAL CALCULATIONS

2. PAGE 7:

Only lateral seismic force in Z-direction was considered in the load matrix. Please add seismic force in X-direction. Also, a combined seismic force in two principle directions should be used as: $1.0EZ+0.3EX$ and $0.3EZ+1.0EX$.

3. PAGE 7:

The torsional moment should be increased to account for accident torsion in accordance with Section 1630.6, of CBC.

4. PAGES 13 and 16:

It is not clear why the calculated peak foundation forces are the same for RPM = 1185 and 2370. Please verify.



Power Plant CBO Team
Metcalf Energy Center
San Jose, California

May 9, 2003

Comments

Regarding:	CEC Docket No.:	(99-AFC-3)
	Condition of Certification:	ELEC-1
	CBO Project No.:	MEC 13254
Subject:	Submittal Number:	Packet # 5003-CBO 000130 Duct Bank Spec 16118 1 Letter, 2 Cable/Conduit Repts, 1 Spec

Specification 16118 - Duct Banks & Manholes:

1. Paragraph 3.01: CBO does not recommend EMT (Electric Metallic Tubing) as part of the underground duct bank system. Omit paragraph 3.01.B.3.
2. Paragraph 5.B.14: Method to secure and prevent lateral movement of duct during concrete placement is defined. However, method to secure against vertical movement or floating is not defined.
3. Paragraph 5.B.30: Where ducts pass under roadways or other areas subject to heavy equipment traffic. It is recommended that concrete thickness for top of duct bank be defined for these areas.
4. Paragraph 3.02.C: Ground Rod should be specified.
5. Paragraph 3.02B.3: It is recommended that red dye be used in concrete/slurry.
6. Paragraph 3.02: It is recommended that the same manufacturer provide the conduit, fittings and cement for compatibility.
7. Due to the size of the manhole and high water table. It is recommended that a permanent sump pump be specified.
8. There is no reference to concrete /slurry strength. Please specify.
9. In manholes, please specify that all metal inserts should be grounded.
10. Lowest conduit from bottom of manhole should be clarified. It is recommended that the bottom of conduit should be 12 inches above bottom of manhole.
11. CBO recommends pulling stress analysis for long and/or large single conductor cables due to bends, elbows, offsets and is recommended for above 480V.
12. Clarify why the PVC coated rigid steel conduit is not defined in the specification.
13. Define u/g direct burial cable for trench depth requirement, protection and backfill, if required, in the specification.

end



Power Plant CBO Team
Metcalf Energy Center
San Jose, California

May 13, 2003

DISPOSITION

Burns and Roe Enterprises, Inc.
200 Crawford Place, Suite 600
Mt. Laurel, New Jersey 08054

Attention: Jim Ferrara, Project Manager

Regarding:	CEC Docket No.:	(99-AFC-3)
	Condition of Certification:	Elect-2
	CBO Project No.:	MEC 13254
Subject:	Submittal Number:	Packet # 5004 - CBO 000099 2 Calculation Packets
Load Flow & Voltage Drop: - Calc# 02484-001-07-002 Rev 0		
Short Circuit Calculation: - Calc# 02484-001-07-003 Rev 0		

The CBO has reviewed the above referenced submittal, and provides the following disposition, conditioned upon response to attached comments:

APPROVED ...conditioned upon attached comments

Should you have any questions or comments please contact Elias Segura (408) 463-6043.

Sincerely,

For: Donald C. Wimberly, P.E.
Delegate Chief Building Official
Willdan/AIMS CORPORATION

By: Hans (G.J.) Kosten
Deputy CBO
Willdan/AIMS CORPORATION

Copy: Nick LaPorte – Calpine CMCI
Kristen O’Kane – Calpine CMCI
Kevin Deters – Calpine CMCI

Barbara Hatt – Calpine CMCI (Doc. Control)
Elias Segura – Willdan / AIMS Corp.
Bart Brierty – Willdan / AIMS (CBO File)



Power Plant CBO Team
Metcalf Energy Center
San Jose, California

May 13, 2003

COMMENTS

Regarding: CEC Docket No.: (99-AFC-3)
Condition of Certification: Elect-2
CBO Project No.: MEC 13254

Subject: Submittal Number: **Packet # 5004 - CBO 000099**
2 Calculation Packets

Load Flow & Voltage Drop:
- Calc# 02484-001-07-002 Rev 0
Short Circuit Calculation:
- Calc# 02484-001-07-003 Rev 0

The following comments are provided as reference to our disposition on this date:

Load Flow & Voltage Drop: Calc# 02484-001-07-002 Rev 0

- 1) Sheet 5, item 7h shows the generator capacity at 1040 KW this is different from Single line Drawing E104 where the generator capacity is 1260 KW. Please verify.
- 2) The calculation refers to type THWN insulated conductors. Calpine specifications require type XHHW insulated conductors. Please verify.

Short Circuit Calculation: - Calc# 02484-001-07-003 Rev 0:

--- No Comments on this calculation.



Power Plant CBO Team
Metcalf Energy Center
San Jose, California

May 14, 2003

DISPOSITION

Burns and Roe Enterprises, Inc.
200 Crawford Place, Suite 600
Mt. Laurel, New Jersey 08054

Attention: Jim Ferrara, Project Manager

Regarding:	CEC Docket No.:	(99-AFC-3)
	Condition of Certification:	ELECT-1
	CBO Project No.:	MEC 13254
Subject:	Submittal Number:	Packet # 5004-CBO 000121 Signal Separation Criteria 4 Drawings

The CBO has reviewed the above referenced submittal, and provides the following disposition:

ACCEPTED for Information Only

Note: The attached comments are provided for your consideration.

Should you have any questions or comments please contact Elias Segura (408) 463-6043.

Sincerely,

For: Donald C. Wimberly, P.E.
Delegate Chief Building Official
Willdan/AIMS CORPORATION

By: Hans (G.J.) Kosten
Deputy CBO
Willdan/AIMS CORPORATION

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Barbara Hatt – Calpine CMCI (Doc. Control)
Elias Segura – Willdan / AIMS Corp.
Bart Brierty – Willdan / AIMS (CBO File)



Power Plant CBO Team
Metcalf Energy Center
San Jose, California

Comments

May 14, 2003

Regarding:	CEC Docket No.:	(99-AFC-3)
	Condition of Certification:	ELEC-1
	CBO Project No.:	MEC 13254
Subject:	Submittal Number:	Packet # 5004-CBO 000121
		Electrical Design Criteria
		4 Drawings

The following comments are provided as reference to our disposition on this date:

Drawing SD-E-0004-Gen-0003 Note 9.

In these documents, Cable Separation Criteria is well defined for Duct Banks and Cable Trays. This note regarding separation criteria inside Manholes is general and is non-specific.

It is recommended that specific details regarding the Cable Separation inside Manholes be provided as follows:

- 1) The signal separation criteria is defined by dimensions that correspond to the outside of the conduit. In manholes, there are no conduits. So, Cable Separation dimensions within Manholes needs to be more clearly defined.
- 2) It is suggested that more specific detail is provided regarding how the cable is trained and secured.
- 3) In manholes, where duct-bank conduits terminate and cable without conduit is exposed to noise and other RF interference. And, because the designer is using a "Single Duct Bank System" it is recommended that a metal barrier is provided between Signal Cables and Power Cables in manholes.

end

WILLDAN CBO PROJECT NO. 13254
QUALIFICATIONS STATEMENT RECORD
CAPTIONED BY ALDO

Cond.	Pack. No.	CBO No.	Package Title	Review /Approval Dates				Comments	Documents			
				Issued	Response Forecast	Response Received	Respond		Plan Checker	Status	Subd	Rsp'd
		00001	Never Assigned									
		00002	Never Assigned									
		00009	Construction Facilities Drawing	2/27/2002	3/21/2002							
GEN-2		00010	Gas Turbine Diffuser	2/27/2002	3/21/2002							
GEN-2		00025	Gas Turbine Diffuser Condition of Certification	4/22/2002	3/20/2002	3/23/2002	See 00025			A-3/29/2002		
GEN-6	1008		Field Engineers and Special Inspectors John Edwin Nelson and Roman M. Reyes							A-4/24/02		1
GEN-2	1009		Bechtel Proposed CBO Submittal List (24193-000-T01-GEGK-0018)							A-9/28/02		1
GEN-5	1011		Qualifications Statement Ballod (Civil), Masi (Mech) & Rubin (Elect)							C-10/16/02		1
GEN-4	1012		Statement of Qualifications Shuke Miao, (Resident Engineer [CIVIL]) Mortenson							A-1/18/02		1
GEN-5	1013		Statements of Qualifications C. Barry Butler and Richard G. Woodward-(Geotech)							A-1/17/02		1
GEN-6	1014		Statement of Qualifications Bill Petroski							A-1/16/02		1
GEN-6	1015		Special Inspectors-Jarrod Bordi (1 of 6) CBO/ACI	01/11/02						C-1/18/02		1
GEN-6	1015		Special Inspector-Kevin Brown (2 of 6)-CBO/ACI	01/11/02						A-1/16/02		1
GEN-6	1015		Special Inspector-Leah Welliver (3 of 6)-CBO/ACI	01/11/02						A-1/16/02		1
GEN-6	1015		Special Inspector - Steven Harvey (4 of 6)-CBO/ACI	01/11/02						A-1/16/02		1
GEN-6	1015		Special Inspectors-Bundy Chamberlain Jr.(5 of 6)	01/11/02						C-1/16/02		1
GEN-6	1015		Special Inspectors - Daniel Camacho (6 of 6)	01/11/02						C-1/16/02		1
GEN-6	1015		Statement of Qualification - Special Inspectors	01/11/02						C-1/17/02		1
GEN-5	1016		Statement of Qualifications, Emma, Chalnese							A-9/20/02		1
GEN-5	1017		Statement of Qualification: Civil/Structural - Mr. Lanth							A-9/20/02		1
GEN-2	1017	000051	CBO Submittal List	07/18/02						A-9/20/02		1
GEN-2	1017	000083	CBO Submittal List	10/11/02								
GEN-2	1018	000138	CBO Submittal List	01/27/02								
GEN-5	1017		Resp. Design Eng: Civil - Mr. Lanth									
GEN-5	1019	000159	Responsible Civil Engineer	4/7/03								
GEN 4			Resident Engineer Transition Acceptance by SG	02/04/03								
TSE-1			Resp. Design Eng: Switchyard - Carl Johnson	02/04/03						HK	Approved	1
GEN 5			Resp. Design Eng: Switchyard - Kevin Murar	02/04/03						HK	Approved	1
GEN 5			Resp. Design Eng: Gas Pipeline - John Byrne	02/05/03						HK	Approved	1
GEN 5			Resp. Design Eng: Gas Pipeline - Bernard Wroblewski	02/05/03						HK	Approved	1
			Organization Chart	05/07/03						HK		
			Resumes: Raymundo Engineering Company, Inc	05/07/03						HK		
			William Raymundo Inspection Plans	05/07/03						HK		

WILLDAN CBO PROJECT NO. 13254									
Cond.	Pack. No.	CBO No.	Package Title	Review /Approval Dates				Comments	Documents
				Issued	Response Forecast	Response Received	Plan Checker		
Code:									
A - Approved									Total: Total:
I - Accepted as for information only									
N - Not approved, returned with comments.									
C - Approval Conditioned upon submittal of addt. info. or replacement									
Summary of Drawing									
				Submitted		Responded			
				General	24	21			
				Civil	69	27			
				Struct	511	234			
				Mech	291	290			
				Elect	267	193			
				Total	1162	765			
				Percent Responded	66%				

METC DOCUMENT SUBMISSION RECORD
CAPNEER&R AND CBO

WILLDAN CBO PROJECT NO. 13254

Condition of Certification	Pack. No.	CBO No.	Package Title	Review /Approval Dates				Comments or Action Required		Documents	
				Issued Due Date	To Check	From Check	Resp' Date	Check By	Status	Rc'd	Rsp'd
CIVIL-1		Bechtel	Storm Water Management Plan				4/8/2002	DN	Approved	R2	0 0
			Erosion-Sediment Control & Storm Water Plan: Report# 24193-000-G27-GEK-00001 Rev2	10/19/01							1 1
			Calc: Storm Basin Sizing H&H-1 Rev 1	08/21/02			4/8/2002		Approved	R1	1 1
		*	Calc: Storm Drain Design H&H-2 Rev 2	10/30/2002			4/8/2002		Approved	R2	1 1
		*	Calc: Retaining Wall Structure 000-DBC-000-00001	10/10/2002			4/8/2002		Approved	R0 * May not belong in this package	1 1
			Dwg: 0-C2-0000-00001 Site Plan	10/12/2001			4/8/2002		Approved	R2	1 0
			Dwg: 0-C2-0000-00002 Const. Facilities	10/17/2001						R2	1 0
			Dwg: 0-CE-0000-00001 Clearing Stripping Stockpile	10/19/2001			4/8/2002		Approved	R1	1 0
			Dwg: 0-CG-0100-00001 Rough Grading Phase 1	10/24/2001			4/8/2002		Approved	R3	1 0
			Dwg: 0-CG-0100-00002 Rough Grading Phase 2								1 0
			Dwg: 0-CG-0090-00001 Erosion Control Details								1 0
			Dwg: 0-CG-0090-00002 Drainage Details	8/20/2001							1 0
			Dwg: 0-CG-0090-00003 Rough Grading Details								1 0
			Dwg: 0-CG-0090-00004 Drainage Headwall Details	10/19/2001			4/8/2002		Approved	R1	1 0
			Dwg: 0-CG-0090-00005 Rough Grading Sections								1 0
		*	Dwg: 0-CG-0090-00006 Retaining Wall	8/10/2001							1 0
			Dwg: 0-CD-0100-00001 Storm Water Piping Plan	10/31/2001			4/8/2002		Approved	R2	1 0
			Dwg: 0-CS-0200-00001 Main Access Road	10/19/2001			4/8/2002		Approved	R1	1 0
			Dwg: 0-CS-0300-00001 Railroad Plan & Profile	8/10/2001						R0	1 0
CIVIL-1	2001		Rough Grade Plan Check	8/29/2001						C-9/18/01	1 1
CIVIL-1	2001		Grading Retaining Wall-Geotech Review	9/18/2001						C-10/19/01	1 1
CIVIL-1	2001		Geotechnical Report (by Arroyo)	1/12/2002						6/12/2002	1 1
CIVIL-1	2002		Plot Plan - Bechtel C2-0000-00003							C-10/26/02	1 1
CIVIL-1	2003		Engineering Geology Report	10/26/2002						See 2008	1 1
CIVIL-1	2004		Engineering Geology Report	10/26/2002						See 2008	1 1
CIVIL-1	2004	000146	Phase 2 - Drainage and Grading : 4 Drawings	2/28/03 3/14/03						RS HK	
			Dwg: C-071-R0 Rough Grading Plan								
			Dwg: C-072-R0 Drainage Plan								
			Dwg: C-073-R0 Foundation Schedule								
			Dwg: C-074-R0 Crane Staging Area Plan								
CIVIL-1	2005		Technical Specification for Earthwork							C-11/15/02	1 1
			Subsurface Investigation & Geology Report:								
CIVIL-1		00020	CY-0000-001 Rev H							A-4/4/02	
			0-CG-0100-00002 Rev. 1,								
			0-CG-0090-00006 Rev. 0,								
			0-C2-0000-00001 Rev. 1								
GEO-2	2008		Engineering Geology Report - Application for Grading Permit							C-1/17/02	4 4

WILDAN CBO PROJECT NO. 13254

WILDAN CBO PROJECT NO. 13254

Condition of Certification	Pack. No.	CBO No.	Package Title	Review / Approval Dates				Comments or Action Required		Documents	
				Issued Due Date	To Check	From Check	Resp' Date	Check By	Status	Rcd	Rsp'd
GEO-2	2008	000007	Subsurface Investigation & Foundation Report- Responses to Arroyo's comments	2/15/2002				Verbal Evans		See 00112 Response Forecast 3/22/02	1
GEO-2	2008	000012	Subsurface Investigation and Foundation Report- Revisions	3/8/2002						Response Forecast 3/22/02	1
CIVIL-1	2009	000028	Sediment & Erosion control - C050 South laydown yard	4/30/2002				A-3/29/02		Disposition dated 10/14/02 Response Forecast CEC	1
CIVIL-1	2009	000048	Sediment & Erosion Control Plan Rev 0	5/21/2002						Disposition dated 10/14/02	4
CIVIL-1	2010	000029	C060 Sedimentation & Erosion Notes & Details Rev 0	5/6/2002				A-9/26/02		Disposition dated 10/14/02	1
CIVIL-1	2011	000054	C061 Sedimentation&Erosion Details Rev.0	5/28/2002				A-5/8/02		Approved with 3014	1
CIVIL-4	3052	000126	Sediment & Erosion Control Burns & Roe response to comments	7/3/2002							
CIVIL-4	3052	000136	Burns & Roe Response to comments on Design of Concrete Filled Pipe Piles	7/24/2002							
CIVIL-4	3052	000156	Site Observation Report: Dated 7/25/02	07/26/02 No rsp rq'd							
CIVIL-1	2012	00004	Site Observation Report:	01/06/2003			01/10/03	HK-DW	resubmitted	Comments from HK faxed to engineer. Report to be discussed at meeting with SG&SM Resident engineer transfer.	1
CIVIL-1	2012	000069	Marty Ballard final site visit. Three page document	No rsp rq'd							
CIVIL-1	3022	00037	Site Observation Report:	01/27/2003			2/4/2003	HK-RS			
CIVIL-1	3022	00056	Revised Site Observation Report:	3/24/2003			No rsp rq'd			Approved	
CIVIL-1	3022	00113	Retaining Wall Superceded by Keystone Blocks	2/6/2002							
CIVIL-1	3022	00062	Retaining Wall as built drawings	9/13/2002			10/7/2002			Low Priority per JF on 10/9/02 Replaces FCR 0002	1
CIVIL-1	3022	000118	0-CG-0090-0006 Rev 2	10/7/2002							
CIVIL-1	3022	000118	2484-C030-Rev. 0								
CIVIL-1	3022	000118	Roadway Drawings	6/13/2002			7/10/2002				
CIVIL-1	3022	000118	C040 Road Geometry Plan Rev. 0	6/27/2002							
CIVIL-1	3022	000118	C043 Typical Road Cross Section Rev. 0								
CIVIL-1	3022	000118	C045 PG&E All-Terrain Vehicle Access Partial Plan Rev.0								
CIVIL-1	3022	000118	Roadway Drawings - Burns & Roe Response to Wildan Comments of 7/1/02	08/21/02			08/22/02				
CIVIL-1	3022	000118	Roadway Drawings	09/11/2002							
CIVIL-1	3022	000118	C040 Road Geometry Plan Rev. 2								
CIVIL-1	3022	000118	C043 Typical Road Cross Sections Rev. 2								
CIVIL-1	3022	000118	C045 PG&E All Terrain Vehicle Access, Rev 2								
CIVIL-1	3022	000118	Roadway:	12/6/2002							
CIVIL-1	3022	000118	Dwg: C040R3								
CIVIL-1	3022	000118	Dwg: C045R3								
CIVIL-1	3022	000118	Roadway:	12/23/02							
CIVIL-1	3022	000118	Letter: Response to CBO Comments: Roadway crosssection	01/07/03			01/28/03				
CIVIL-1	3022	000118	Dwg: C043 R3								
CIVIL-1	2013	000107	Temporary Construction Facilities :	11/25/2002			xx	xx	RS	xx	Kirsten Advises not to review because permits are not in place
CIVIL-1	2013	000107	Dwg# C070-R0	12/19/2002			02/04/02				1

ENCLAVE DOCUMENT SUBJECT RECORD
CALPNER # NDCBC

WILLDAN CBO PROJECT NO. 13254

Review / A

WILLDAN CBO PROJECT NO. 13254									
Cond.	Pack. No.	CBO No.	Package Title	Review/Approval Dates	Comments - Action Required			Documents	
				Issued Date	To Checker	From Checker	Plan Response	Status	Submitted Response
STRUC-1	00005	CTG & STG Foundation Piling Drawings S110 Composite Pile Plan Rev A S111 Pile Sections and Details S200 CTG Pedestal Pile Location Plan	02/06/02 02/27/02	03/21/02 03/28/02			A-3/29/02		
STRUC-1	00006	Spec's for concrete curing, forming & Grout 03100, 03390 & 03600 Rev. A	2/15/02 03/16/02	03/15/02 See 00017			03/15/02		
STRUC-1	00011	CTG, STG & HRSG Pile Calculations	2/28/02 3/21/02	03/21/02 03/29/02			A-3/29/02		
STRUC-1	00013	Overdue Response Notification CBO 0005, 0006, 0007	03/11/02				Resp to 00005, 00006, 00007		
STRUC-1	3001	HRSG Foundation and Lateral calculations	08/09/01					C-9/28-01	
STRUC-1	3001	HRSG Structural Calculations	11/01/02					C-11/7/02	
STRUC-1	3001	HRSG - Frame corner connections, shear blocks, base plates and casting stiffeners						C-1/14/02	
STRUC-1	3002	Piling Specs (test piles), 02472, Concrete Filled Pipe Piles, Rev.C 02473 Pile Test Program Rev 0 03200 Concrete Reinforcement Rev 0 03300 Cast-in-Place Concrete Rev. 0 S108 Pile Load Test Plan Rev. 0.	01/31/02		03/01/02	See 00015	C-3/1/02		
STRUC-1	3002	Piling Specs (test piles) 02472, Concrete Filled Pipe Piles, Rev.C 02473 Pile Test Program Rev A 03200 Concrete Reinforcement Rev A 03300 Cast-in-Place Concrete Rev. A S108 Pile Load Test Plan Rev. D S109 Test Pile Sections & Details Rev. D	03/14/02 03/21/02	03/21/02 03/29/02			A-3/29/02		
STRUC-1	3002	WaterPile Specification 03300 Dwg. For Circ. Water Pipe Support Frame	10/29/02 11/19/02				BB HK		
STRUC-1	3004	Piling Specs 1-1 Specification Spec# 02472-R4 Concrete Filled Pipe Piles Report on Seismic Design Motions	3/11/03 3/24/03					03/14/02	
STRUC-1	3006	Concrete formwork Curing & Grout Spec 03100, Concrete Curing Specs 03390 Rev. A and Grout, Spec 03600 Rev.A.	01/31/02					A-3/26/02	
STRUC-1	3006	Spec's for concrete curing, forming & Grout 03100, 03390 & 03600 Rev. A	3/20/02 4/10/02					A-3/26/02	
STRUC-1	3007	Design Report for W501F Exhaust System Diffuser						A-4/24/02	
STRUC-1	3009	HRSG Piles; Pile Location Plan S300	02/20/02 03/13/02	03/21/02	03/29/02			A-5/15/02	
STRUC-1	3010	Gas Turbine documentation SWPC-CM-008 Enclosure "B" Side Platform Analysis SWPC-CM-009 Generator End Exterior Platform and Stair SWPC-CM-010 Exhaust End Exterior Platform and Stair SWPC-CM-011 Exhaust End Interior Platform and Stair 17-001-HR Sheets 1-7-R	03/13/02 04/3/02	04/03/02	04/04/02	See 00031	C-4/3/02		

WILLDAN CBO PROJECT NO. 13254									
Cond.	Pack. No.	CBO No.	Package Title	Review / Approval Dates			Comments - Action Required	Documents Submitted	Response
				Issued	Due	To Checker	From Response	Plan Check	Status
STRUC-1	3010	00031	Gas Turbine Document, Calculations and other documentation and Siemens Westinghouse response to Willdan's 4/3 Comment Dwg 17-001-HR.R1	5/17/2002				A-5/31/02	
STRUC-1	3010	00071	Siemens Westinghouse Dwg 17-001-HR.R2 General Arrangement 501FD Inlet Silencer System.	9/18/2002					1
STRUC-1	3011	00016	Specs 01410 Rev. B - Testing Laboratory Services	3/6/2002				A-4/8/02	
STRUC-1	3012	00018	Civil Structural Design Criteria	3/20/2002			4/18/2002 as CBO	N-4/18/02	1
STRUC-1	3012	00026	Civil/Structural Design Criteria - fixed head moment values for each pile.	4/10/2002			4/26/2002	00026	NA
STRUC-1	3012	00018	Civil/Structural Design Criteria	5/17/2002				C-5/16/02	
STRUC-1	3012	00082	Civil/Structural Design Criteria Rev. 1	10/3/02			See 00018 & 00026	A-5/15/02	1
STRUC-1	3013	00018	Gen. Notes & Typical Detail Drawings S101, S880, S885, S890, S890, S881, S884, S985, S988, S989	04/29/02	10/24/02			A-11/7/02	1
STRUC-1	3013	00027	Gen. Notes & Typical Detail Drawings S101, S880, S885, S890, S890, S881, S884, S985, S988, S989 S891, S893 & S897 Rev. A	4/29/02	5/20/02			A-4/30/02	1
STRUC-1	3013	00022	CTG, STG, HRSG Piles Calculations Concrete Filled Pipe Piles 02484-001-06-001 Rev. O Combust Turb Found Unit 1, 02484-001-06-004 Rev. O Steam Turb Fed Found, 02484-001-06-005 Rev. O Mat Foundation for HRSG and Stack Unit 1, 02484-001-06-001 Rev. O Campos	4/29/02	5/20/02			A-4/30/02	13
STRUC-1	3014	00082	Composite Pile Drawing S110-R1	10/3/02	10/24/02		04/26/02 see 00029	A-5/8/02	13
STRUC-1	3014	00135	Composite Pile Drawing S110-R2	01/27/03	01/27/03			GIBB HK	13
			Composite Pile Section Detail Drwg S111-R1	02/27/03	02/27/03				4
			HRSG & Stack Foundation						4
STRUC-1	3015	00023	Mat Calc 02484-001-06-007 -Unit 2 Foundation Drawings: S305 HRSG Plan Unit #1 Rev. 0 S306 HRSG Plan Unit #2 Rev. 0 S307 HRSG Reinforcing Plan Unit #1 Rev. 0 S308 HRSG Reinforcing Plan Unit #2 Rev. 0 S310 HRSG Section & Details Unit					A-5/18/02	1
STRUC-1	3016	00021	200 Gal Reservoir Hydraulic Power Unit/Sesimile Calc.	04/02/02	04/23/02			A-5/10/02	1

Cond.	Pack. No.	CBO No.	Package Title	Review/Approval Dates	Comments - Action Required	Documents			
				Issued Due To Checker	From Response	Plan Check	Status	Submitted	Response
STRUC-1	3017	00024	CTG Foundation: Drawings & Calcs. - CTG Foundations Calc 02484-001-08-004 CTG Units 1&2 Found. Rev.0 S205 CTG Units 1&2 Rev 0 S206 CTG Units 1&2 Rev 0 S208 CTG Units 1&2 Rev 0 S210 CTG Units 1&2 Rev 0	4/16/02 5/07/02	05/31/02		A-5/31/02	Approved with 2010 Approved Disposition dated 10/22/02	see 00072
STRUC-1	3017	00073	CTG Revisions and Resubmittal with the new File capacities - Calculations for CTG foundations Calculation 02484-001-06-004 Rev 1 Dated 9/15	9/19/02 10/3/02			JL	A-10/22/02	BB to research correspondence - Done Confirmed File Design Approved 4/09/03
STRUC-1	3017	00085	CTG Foundations S205 Combustion Turbine Generator Units 1 & 2 Foundation Plan, Rev. 1 dated 10/29/02	1/15/02 11/26/02			Hold		A-5/16/02 Superseded by 3037
STRUC-1	3018	00030	Pile Testing Revised doc. - ECN 001 Revisions for Specs 02473 Drivs S108, S109 Doc. Review by Lowmyr Accountable - ECN 001	05/07/02			JL	see 3037	NA
STRUC-1	3018	00032	Pile Testing Revised documents ECR 053 Spec 02472 Concrete-filled pipe piles Rev.1 S108 Pile Load Test Plan Rev.2 S109 Test Pile Sections and Details, Rev.1	05/20/02			JL	see 3037	NA
STRUC-1	3018	00040	Pile Test Program: ECR No. 004) Revisions to pile test program based on the test results obtained to date.	6/20/02 6/25/02			JL	see 3037	NA
STRUC-1	3018	00044	Pile Test Program:Revised Documents - Drwg S108, Pile Load Test Plan Rev.3	6/27/02 7/19/02			JL	see 3037	NA
STRUC-1	3018	00059	Pile Test Program: (ECR No. 004) Revisions to pile test program based on the test results obtained to date.	8/6/02 8/27/02			JL	see 3037	NA
STRUC-1	3019	00053	01410, Testing Laboratory Services Rev 0 051120, Structural Steel, Rev. 0 13121 Pre-Engineered Buildings, Rev 0	5/24/02 6/14/02			JL	A-8/14/02	4
STRUC-1	3020	00034	STG Platform Pilots; Drawings and Calculations S120 STG Pipe Plan, Rev. C				JL	see 00056	2
STRUC-1	3020	00035	STG Platform Calcs				JL	10/7/02	2
STRUC-1	3020	00066	STG Platform Calcs 0284-001-08-028 STG Foundation Rev. 0 S701, S706, S750, S751, S752, S756, S775, S776 S800, S805, S810, S830, Rev. 0				JL	6/24/2002	1
STRUC-1	3020	00087	STG Platform: 1 Calc 25 Drawings				JL	Approved but it was resubmitted as 3028	3
STRUC-1	3020	00088	Calc 02484-001-08-029 R1, Steam Turbine Generator Platform S700-R0, Structural Steel Drawing List				JL	6/24/2002	3
STRUC-1	3020	00089	S701-R1, STG Platform Framing Plan at Elevat 285'-012"				JL	Includes Calc's for Circ-water pipe supl dwg in 3041-000090 Response from checker was misplaced fo	2
STRUC-1	3020	00090	S705-R1, STG Platform Framing Plan at Elevat 285'-8"				JL	11/1/02	26
STRUC-1	3020	00091	S708-R1, STG Platform Framing Plan at Elevat 279'-91/2"				JL		
STRUC-1	3020	00092	S707-R0, STG Platform Mezzanine Level Partial Plan S708-R0, STG Platform Mezzanine Level Partial Plan				JL		
STRUC-1	3020	00093	S750-R1, STG Platform Elevation Along Col. Lines 1, 1.5 & 2				JL		
STRUC-1	3020	00094	S751-R1, STG Platform Elevation Along Col Lines 3 & 4				JL		
STRUC-1	3020	00095	S765-R1, STG Platform Girr Elev At Col. Line 1,1.5, D, 2&C4				JL		
STRUC-1	3020	00096	S768-R1, STG Platform Girr Elevet Along Col. Lines G & 4,8				JL		
STRUC-1	3020	00097	S775-R1, STG Platform Elevat Along Col. Lines A,B,C&C4				JL		
STRUC-1	3020	00098	S776-R1, STG Platform Elevation Along Col. Lines D, E, F & G				JL		
STRUC-1	3020	00099	S800-R1, STG Platform Column Schedule				JL		
STRUC-1	3020	00100	S805-R1, STG Platform Base Plate Details				JL		
STRUC-1	3020	00101	S810-R1, STG Platform Steel Sections & Details				JL		

Contd.	Pack. No.	CBO No.	Package Title	Review/Approval Dates				Comments - Action Required			Documents Submitted	Response
				Issued	Due	To Checker	From Response	Plan Check	Status			
			S811-R0, STG Platform Steel Sections & Details									
			S812-R0, STG Platform Steel Sections & Details									
			S813-R0, STG Platform Steel Sections & Details									
			S830-R1, STG Platform Stair #1 Plans									
			S831-R0, STG Platform Stair #2 Plans									
			S832-R0, STG Platform Stair #3 Plans									
			S833-R0, STG Platform Stair #4 Plans									
			S835-R0, STG Platform Stair #1 Sections									
			S836-R0, STG Platform Stair #1 Sections									
			S837-R0, STG Platform Stair #1 Sections									
STRUCL-1	3020	000163	STG Platform 28 Drawings	4/22/03 5/06/03	04/22/03 05/06/03	JL						
			S700 - R1 Structural Steel Drawing List									
			S701 - R2 Framing Plan									
			S705 - R2 Framing Plan									
			S708 - R2 Framing Plan									
			S707 - R1 Mezzanine									
			S708 - R1 Mezzanine									
			S709 - R0 Checked Plate									
			S715 - R2 Pedestal Access Platform									
			S750 - R2 Elevations along Column line									
			S751 - R2 Elevations along Column line									
			S752 - R2 Elevations along Column line									
			S765 - R2 Girder Elevations									
			S766 - R2 Girder Elevations									
			S770 - R0 Removable Panel Details									
			S771 - R0 Removable Panel Details									
			S775 - R2 Elevations along Column line									
			S776 - R2 Elevations along Column line									
			S805 - R2 Base Plate Details									
			S810 - R2 Steel Sections									
			S811 - R1 Steel Sections									
			S812 - R1 Steel Sections									
			S813 - R1 Steel Sections									
			S830 - R2 Stair #1									
			S831 - R1 Stair #2									
			S832 - R1 Stair #3									
			S835 - R1 Stair #4 Section									
			S836 - R1 Stair #2 Section									
			S837 - R1 Stair #3 Section									
STRUCL-1	3021	00036	Stemans Westinghouse Documents - Design and Load Enclosure Structure-CT Pipe Rack Structure-Design and Load Calculations for Leaking Steam DS Skid-Condenser Foundation Arrangement and Foot Loads-Design							JL	N-7/10/02	

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Cond.	Pack. No.	CBO No.	Package Title	Review /Approval Dates			Comments - Action Required	Documents Submitted
				Issued Due	To Checker	From Response Checker		
STRUC-1	3021	00049	Siemens Westinghouse Documents 000-000-L125-742 Calcs and Fogger Skid Anchorage 000-000-L125-740 Found, Loads and Anchoring/Steam Turbine Seismic Loads 000-000-125-714 Struc Calcs & Drwgs	07/03/02			HK	
STRUC-1	3021	00083	Design Calculations for Vacuum Pump Skid for Main Steam Condenser-SC-26787-CBC	11/01/02				1
STRUC-1	3021	00106	Siemens Westinghouse Calculation Revisions 1.) CTG Pipe rack structure SWPC-CH-007 2.) Design & load calculations for ST tube oil module 43237-LOAD 3.) Design & load Calc's for leakproof Steam Skid 43277-LOAD 4.) W1501F Turbine Enclosure Structure DA-182_5.) Condenser	11/21/02				5
STRUC-1	3021	00108	Siemens Westinghouse Doc. Condition of Certification 1.) Steam Turbine Cross-over Pipe Calculations SWPC# 00-000- 140-477	11/25/02				1
STRUC-1	3022	00037	Roadway: Moved to Civil Section	00/00/00 00/00/00				3 NA
STRUC-1	3022	00056	Roadway: Moved to Civil Section	08/02/02 08/22/02				1 1
STRUC-1	3022	00062	Roadway: Moved to Civil Section	08/21/02 09/12/02				3 3
STRUC-1	3022	00113	Roadway: Moved to Civil Section	12/6/2002 00/00/00				2 2
STRUC-1	3022	000118	Roadway: Moved to Civil Section	12/23/02 01/07/03				
STRUC-1	3023	00038	STG Platform Foundation: 7 Drawings: 1 Calculation Calc: 02484-001-08-028, R1 STG	06/19/02 07/11/02	07/23/02	DN	David Newman responded with 8 Comments	
		S120-R1	Steam Turbine Platform Pile Plan					
		S125-R0	Steam Turbine Platform Foundation Plan					
		S135-R0	Steam Turbine Platform Pile Cap Details					
		S180-R0	Steam Turbine Platform Sections & Details					
		S191-R0	Steam Turbine Platform Anchor Bolt Schedule					
		S182-R0	Steam Turbine Platform Enlisted Foundation Plan					
		S193-R0	Steam Turbine Platform Enlisted Foundation Plan					
STRUC-1	3023	00081	STG Platform Foundation: 1 Letter, 1 Calc, 2 Drawings Letter: 8/16/02 Response to CBO comments	8/15/02 9/15/02	10/04/02	JL	BREI responds to DN comments	
		S120-R2	Steam Turbine Platform Pile Plan					
		S125-R2	Steam Turbine Platform Foundation Plan					
		S135-R1	Steam Turbine Platform Foundation Design					
		S180-R2	Steam Turbine Platform Foundation Plan					
		S191-R1	Steam Turbine Foundation Sections & Details					
		S192-R1	Steam Turbine Platform Anchor Bolt Schedule					
STRUC-1	3023	00083	STG Platform Foundation: 6 Drawings, 1 Calc. Calc: 02484-001-06-028, R3 STG Platform Foundation Design	10/28/02 11/18/02	11/06/02	EM GJ	Calcs only to GJ on 11/6/02 Pile Plans approved	7 7
		S120-R2	Steam Turbine Platform Pile Plan					
		S125-R2	Steam Turbine Platform Foundation Plan					
		S135-R1	Steam Turbine Platform Pile Cap Details					
		S180-R2	Steam Turbine Foundation Sections & Details					
		S191-R1	Steam Turbine Foundation Sections & Details					
		S192-R1	Steam Turbine Platform Anchor Bolt Schedule					

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				Issued	Due	To Checker	From Response	Plan Check	Status	Submitted	Response	
STRUC-1	3023	00096	STG Platform Foundation Plan, Dated 11/01/02 S193-R1.	11/05/02	11/28/02			EM GJ			2	2
STRUC-1	3023	00103	STG Platform Foundation Response by Burns and Roe, Revised Drawing	11/03/02	12/04/02			GJ				
			Letter: 11/13/02 Response to CBO comments									
			S192-R2, Steam Turbine Platform Anchor Bolt Schedule									
STRUC-1	3023	000131	STG Platform Foundation: 1 Letter, 2 Calc, 11 Drawings	01/17/03	01/22/03			GJ			14	
			1 Letter: 1/17/03 Response to CBO comments	02/07/03								
			Calc. 02484-001-08-039, R0 Design of Slab STG									
			Calc. 02484-001-08-040, R0 STG Steel Tower- Foundation									
			S120-R0, STG Platform Pile Plan									
			S125-R3, STG Platform Foundation Plan									
			S135-R2, STG Platform Foundation Pile Cap Details									
			S160-R0, STG Area Slab Plan At E1: 255'-6" 1/17/03									
			S161-R0, STG Area Enlarged Slab Plan 1'AE1:255'-6"									
			S162-R0, STG Area Enlarged Slab Plans 2' & 3' AE1:255'-6"									
			S170-R0, STG Area Slab Plan At E1: 285'-0 1/2" (Opening floor)									
			S171-R0, STG Area Elevated Slab Details (Operating Floor)									
			S180-R3, STG Platform Foundation Sections & Details									
			S191-R3, STG Platform Foundation Sections & Details									
			S192-R3, STG Platform Anchor Bolt Schedule									
STRUC-1	3023A	00065	STG Access Stair: 1Drawing, 1 Calc.	09/20/02				GJ		BB to research correspondence	2	2
			Calc. 024-001-08-030 Escalator Access Stairs & Platform									
			S720-R0, Escalator Access Platforms Plan Sections & Details	07/17/03	07/23/03			GJ			2	2
			3023A .000133 STG Platform Structure:	07/17/03	07/23/03			GJ				
			Letter: 11/15/03 Response to CBO Comments	02/07/04								
			S720-R1, Access Platform									
STRUC-1	3024	00039	Visual Screen Foundation Design Loads - Calculations and Dwg SS-1A, Foundation Load Pln.	01/20/02	07/23/02	See 00068		N-7/23/02			2	NA
STRUC-1	3024	00058	Visual Screen: Detail Calculations and Dwg's SS1 to SS9	01/26/02								
STRUC-1	3024	00088	Visual Screen: Burns & Roe Response to Willdan-David Newman Foundation Load Plan dwg SS1-A	09/06/02	09/27/02	To Check 10/28/02	10/28/02	GJ EM		Bart found approval comments 1/29/03	11	11
			Visual Screen: 1 Calc, 10 Drawings: Calculation GGH# 201044-03 SS-1,Rev 1 Foundation Plan SS-1,Rev 1 Foundation Plate Details Not Approved							Status: 14" Pile Design Approved Basic Foundation Piers Approved		
			SS-2, Rev 1 Foundation Plate Details Not Approved							Required: Base Plate Calculations		
			SS-4, Rev 1 Foundation Pile Cap Detail PC-8A & Pile Section	01/21/03	02/11/03					(SS-2 Not Approved) Calculation of HRSG #2 Foundation (SS-9 Not Approved)		
STRUC-1	3024	000134	SS-5, Rev 1 Foundation Pile Cap Detail PC-6A	01/21/03	02/11/03							
			SS-6, Rev 1 Foundation Pile Cap Detail PC-8B									
			SS-7, Rev 1 Foundation Pile Cap Detail PC-8D									
			SS-8, Rev 1 Foundation Pile Cap Detail PC-20A									
			SS-9, Rev 1 Piers on Two HRSG Bases Not Approved									

WILLDAN CBO PROJECT NO. 19254											
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				Issued	Due	To Checker	From Checker	Plan Check	Status		
STRUC-1	3025	00041	Specifications 02740 3200 (Aggregate Base Course Asphalt, paving, concrete reinforcement)	6/24/02 7/16/02				A-7/23/02	Will resubmit 2 copies		6
STRUC-1	3026	00042	File Submittals MORT:01-00-0002 File Driving Hammer MORT:01-00-0003 File Driving Crane Data Sheet MORT:01-00-0004 File Driving Analyzer Data Sheet MORT:01-00-0005-Ground Vibration Equipment Data MORT:01-00-0006-Noise Monitoring Plan MORT:01-00-0009-File L	06/26/02	10/04/02	To Check		JL			
STRUC-1	3027	00043	Cooling Tower cals Rev. 0	6/27/02 7/22/02			7/23/2002		N-7/23/02 Rejected		1 1
STRUC-1	3027	00060	Cooling Tower Foundation: Burns & Roe response to 00043 Calculations 02484-001-08-010 Rev 1 and drawings S350, S351, S352, S355, S356, S357 AND S358 Rev. 1	8/12/02 9/04/02	10/10/02	see CBO 00076		10/10/02 superceded			8 8
STRUC-1	3027	00076	Cooling Tower Dwg's & Calc. Cooling tower Basin redesign for pile capacity Calcs 02484-001-08-010 Rev 2, S350, S351, S352 S355, S356, & S358 Rev 2 dated 9/24/01;	10/19/2002						C-10/15/02 Conditionally approved by Don Wimberly Approved Disposition dated 10/22/02	5 5
STRUC-1	3027	00084	Pump Pile Foundation Cales 02484-001-08-011 Rev. 1 Cooling Tower Structure & Foundations Pump Pile Foundation Cales 02484-001-08-011 Rev. 1 Cooling Tower Structure & Foundations S360, S361, S364, S365, S366, S367, S368 Rev 0 dated 11/01/02 Calcs 02484-001-08-011 submitted in previous packet.	11/04/02 11/18/02	To Checker 11/08/02	Fro Check 11/13/02	To Engineer 11/13/02	EM GU		CT Piles (less pump pit area) were approved via BB e-mail on 11/13/02 with comments resulting in correspondence Pump pit structure comments were significant. Pump area was re-designed and submitted on CBO #000117 on 12/23/02	8 8
STRUC-1	3027	000101		11/07/02 11/23/02	To Checker 11/13/02	Fro Check 11/18/02	To Engineer 11/25/02	EM GU			
STRUC-1	3027	000115	Cooling Tower Foundation Drawings, dwgs: S355 R3, S356 R3, S357 R3, S363 R3, S368 R3	12/11/02 1/02/03	To Checker 12/13/02	Fro Check 12/18/02	To Engineer 12/20/02	GU	Not Approved Comments need response from engineer		7 3
STRUC-1	3027	000117	Cooling Tower Pump Structure Dwg's & Calc. Calc: 0248.4.001 08-01-1 Draw: S381 R1, S384 R1, S385 R1, S366 R1, S367 R1, S368 R2	12/23/02 01/15/03	To Checker 01/07/03						5 0
STRUC-1	3027	000125	Cooling Tower Foundation Drawings. Response to Comments dwgs: S355 R4, S356 R4, S357 R4, S362 R1, S363 R4	01/03/02 01/23/03	To Checker 01/09/03	Approved 01/27/03 01/27/03	To Checker 01/09/03	GU			
STRUC-1	3027	000127	Cooling Tower Pump Structure Supplemental Drawing S860 R0 Access Stair	01/07/03 01/28/03	To Checker 01/09/03						18 NA
STRUC-1	3028	00045	STG Pedestal: 117 Drawings 1 Calc.	6/27/02 7/22/02							
			Calc: 0284-001-08-005, R0								
			S245-R0, STG/Generator Pedestal Foundation Plan								
			S246-R0, STG/Generator Pedestal Foundation Sections & Details								
			S247-R0, STG/Generator Pedestal Misc. Sections & Details								
			S250-R0, STG/Generator Pedestal Operating Floor Plan								
			S255-R0, STG/Generator Pedestal Operating Floor Embed Pts								
			S260-R0, STG/Generator Pedestal Operating Floor Reinforcement P								
			S265-R0, STG/Generator Pedestal Concrete Section								
			S266-R0, STG/Generator Pedestal Concrete Section								
			S267-R0, STG/Generator Pedestal Concrete Sections								
			S268-R0, STG/Generator Pedestal Concrete Sections								
			S269-R0, STG/Generator Pedestal Concrete Sections								

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				Issued	Due	To Checker	From Response	Plan Check	Status		
			S270-R0, STG/Generator Pedestal Concrete Section								
			S271-R0, STG/Generator Pedestal Concrete Section								
			S272-R0, STG/Generator Pedestal Concrete Section								
			S273-R0, STG/Generator Pedestal Concrete Sections								
			S275-R0, STG/Generator Pedestal Embedment Sections & Detl								
			S276-R0, STG/Generator Pedestal Embedment Sections & Detl								
STRUC-1	3032	00055	STG Pedestal: 1 Letter, 4 Drawings	08/01/02 Letter: 8/01/02 Response to CBO comments of 7/23/0	08/22/02	xx	xx	10/28/02	JL	Approved	5
			S246-R1, STG Pedestal Foundation Sections & Detail								
			S272-R1, STG Pedestal Concrete Sections								
			S273-R1, STG Pedestal Concrete Section:								
			S275-R1, STG Pedestal Embedment Sections & Details								
STRUC-1	3028	00081	STG Pedestal Foundations Piling: 2 Calculations and 1 Drawings	10/03/02 Calc: 0284-001-06-005-52 STG Pedestal Pile Foundation Design	10/10/02				A-10/28/02		3
			S240-R1, STG Pedestal Pile Foundation Plan								
STRUC-1	3028	00154	STG Pedestal: 11 Drawings:	3/21/03 S245-R1, STG Pedestal Foundation Plan	4/04/03	05/22/03	GU				11
			S246-R2, STG Pedestal Foundation Sections								
			S247-R1, STG Pedestal Misc. Sections								
			S250-R1, STG Pedestal Operating Floor Plan								
			S255-R1, STG Pedestal Operating Floor Imbedment Plan								
			S265-R1, STG Pedestal Concrete Section								
			S269-R1, STG Pedestal Concrete Sections								
			S270-R1, STG Pedestal Concrete Sections								
			S271-R1, STG Pedestal Concrete Sections								
			S275-R2, STG Pedestal Imbedment Sections								
			S276-R1, STG Pedestal Imbedment Sections								3
STRUC-1	3028A	00093	STG Pedestal Arcas Platform: 1 Calculation, 1 Drawing	11/07/02 Calc: 0284-001-06-033, STG Platform 275-8"-Steel Design	11/27/02	To Checker 11/25/02	Fro Check 12/16/03	GU	Not Approved	Significant comments on drawing S715	
			S716-R0, STG Pedestal Access Platform								
STRUC-1	3028A	000145	STG Pedestal Access Platform: 1 Letter, 1 Drawing	02/28/02 Letter: 2/28/03 Response to CBO comments 1/14/03	03/07/03 03/14/02			GU			2
			S715-R1, STG Generator Pedestal Access Platform								
STRUC-1	3028B	000152	Drawing & Calculation 1 Calculation, 1 Drawing	03/12/03 see #3041 Calc's. 02484-001-06-029-R2, STG Platform Foundation Design	03/24/03					2	2
			S730-R1, Cir. Water Pipe Support Frame Plan Sec & Detail								

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				Issued	Due	To Checker	From Response	Plan Check	Status
STRUC-1	3029	00047	CTG: S208dg Units 1&2 Rev 1	07/22/02	07/25/02			C-9/30/02 Verbal	Disposition dated 10/6/02
STRUC-1	3029	000120	CTG Containment Trench; Draw/Cals calc# 0248-001-06-041 draw: S225 R0, S226 R0, S227 R0	12/27/02	01/07/03	CHUCK BLACK 1/5/03		BB to review & prepare comment Minor Comment/Expansion Joint	4 0
STRUC-1	3030	00052	Drawing S108; Rev 4	07/22/02	08/12/02			A-9/30/02	
STRUC-1	3031	00053	Precast Concrete Manhole Rev 0 Spec. 02885 02315 Earthwork Rev 0	07/26/02	08/16/02			C-10/8/02	
STRUC-1	3031	00079	Earthwork Spec 02315 Rev 1 dated 9/25 Chain Link Fences and Gates Spec 02821; Rev.0 dated 9/25 Specification 02315, Earthwork, Rev. 2	09/30/02	10/17/02			EM	Being reviewed by Eric Moran
STRUC-1	3031	000148		03/10/03	No rev req'd			RS	
									0 0
STRUC-1	3032	00055	STG Pedestal: Revised Plan for STG Pedestal-Burns and (Moved to Sect. 3028)	08/01/02	08/22/02			Supersedes 3028 & 3020	A-10/29/02
STRUC-1	3034	00063	BOP Electrical / Control Building-Draw/Cals calc# 0284-001- 08-032 drawings: A100R0, A105R0, A131R0, A133R0, A140R0, A141R0, A150R0, A158R0	08/22/02	09/13/02	verbal CBO meeting 2/04		History: Not listed here till 11/28/02. Sent to EM on 10/16/02 Re-sent as noted. EM approved over phone	14 0
STRUC-1	3035	00085	Siemens STG Enclosure	10/7/02	11/04/02				
STRUC-1	3036	00070	CTG Inlet Air Filter & Silence Foundation: Calc# 0248-001-06-027 Rev 0 Drawing S220 Rev f	09/17/02	10/01/02				2 0
STRUC-1	3036	000975	CTG: Drawings & calculations sound Barrier CTG inlet Calc# 0248-001-06-031 Rev. 0 dated 9/18 Draw S768 Units 1&2 Rev and S769 Inlets 1&2 Rev	09/25/02	10/18/02				3 0
	3036	000129	CTG Air Filter Housing Structural Steel Calculations and drawings, Siemens / Carlton Eng / Pneumafit Mfg	01/13/03	02/03/03				9 0
STRUC-1	3036	000129	CTG Equipment Starter Package 1-Calculation B-Drawings	04/07/03	04/28/03			Package needs to be reviewed by Structural Eng Secondary to Main Concrete Foundations	

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Cont.	Pack. No.	CBO No.	Package Title	Review/Approval Dates				Comments - Action Required	
				Issued	Due	To Checker	From Response	Plan Check	Status
STRUC-1	3038	000168	CTC Equipment Noise Abatement Structure 1 Calculation Booklet	05/07/03 05/28/03	05/22/03			GJ HK	
STRUC-1	3037	00072	Pile Load Testing:Owner's conclusions and Recommendation and the following documents: Pile driving records (for all 27 piles)-PDA results (for all 27 piles) CAPWAP results (for 24 biers on 14 separate piles)-Pile load test results-Specs 02472/Rev. 1,	09/19/02					replaces all of 3018 per transmittal record this submittal is part of 3017 CBO 00073
STRUC-1	3038	00077	PDC's: Moved to ELECT Section	08/25/02 10/09/02				Supersedes 3018	A-10/22/02
STRUC-1	3039	00078	Boiler Feedwater Pump Foundation:Calc 02484-001-06-016 Drawing S320 Rev.0, Section and Details S321 Rev. 0	09/27/02				E. Moran	A-10/31/02
STRUC-1	3040	00082	Drawing S320 Rev.1 & Design Criteria Rev. 1	10/03/02 10/24/02					
STRUC-1	3041	00080	Circ Water Pipe Support :Dwg S730, Rev. 0	10/30/02	To Check	From Check	Reviewed 10/25/02	JL	Not Approved
STRUC-1	3028B	000152	Drawing & Calculation 1 Calculation, 1 Drawing	03/12/03 03/24/03					Comments from 3020-00087 STG Platform Major Comment. Watch this one.
STRUC-1	3042	00082	Calc# 02484-001-06-029-R2, STG Platform Foundation Design S730-R1 Circ Water Pipe Support Frame Plan Sac & Detail	11/21/02	11/06/02	11/19/02			Not Approved
STRUC-1	3042	000111	Pipe Rack Structure:Calc 02484-001-06-022, Pipe Rack Steel Design, Rev. 0 Dwg# S301, S302, S303, S304, S905, S906, S381, S382, S383, S384, S384, S384, S384, S945, S950, S951, S952, S953, S954, S955, S956, S958 S965, Rev. 0 dated 10/11/02	10/31/02 11/22/02	To Checker 12/03/02	Fro Check 12/09/02	To Engineer 12/20/02	GJ	Not Approved
STRUC-1	3042	000123	Pipe Rack Foundation & Piles:Response to CBO comments, Calc# 02484-001-06-023 Dwg#: S340 R1, S552 R1, S553 R1	12/29/02 12/19/02	To Checker 12/04/02	Fro Check 12/20/02	To Engineer 12/20/02	GJ-E Net Approved	Major Scope: Significant number of comments need to be resolved
STRUC-1	3042	000132	Pipe Rack Foundation & Piles:Drawings & Calculations Pipe Rack Foundations, Calc# 02484-001-06-023 R0, Draw#: S530R0, S540R0, S551R0, S552R0, S553R0	12/31/02 01/22/03	To Checker 01/07/03	Fro Check 01/12/03	To Engineer 01/27/03	GJ	Eng. needs to get pile comment resolved; Remaining comments can be resolved later
STRUC-1	3042	000146	Pipe Rack Foundation and Piles:Response to CBO Dwg#: S553R2, S560R1, S561R1, S562R1, S563R1, S564R1, S565R1, S566R1, S567R1, S568R1, S569R1 S560R1, S561R1, S562R1, S563R1, S564R1, S565R1, S566R1, S567R1, S568R1, S569R1 Calc# 02484-001-06-22-R1	01/17/02 02/08/03	To Checker 01/23/03			GJ	BB to review & prepare comments. Minor comment: Add a note on dwg: 540
STRUC-1	3042	000149	Pipe Rack Foundation: NewSteel Platforms Platform Design Drawing S933-R0, Pipe Rack Misc. Access Platform Framing Plans, Sections Drawing S934-R0, Pipe Rack Misc. Access Platform Framing Plans, Sections Drawing S934-R0, Pipe Rack Misc. Access Platform Framing Plans, Sections	01/17/02 02/08/03	To Checker 02/06/03			GJ	
STRUC-1	3042	000150	Pipe Rack Steel Structure:1 Calculation 29 Drawings Dwg#: S553R2, S560R1, S561R1, S562R1, S563R1, S564R1, S565R1, S566R1, S567R1, S568R1, S569R1, S570R1, S571R1, S572R1, S573R1, S574R1, S575R1, S576R1, S577R1, S578R1, S579R1, S580R1, S581R1, S582R1, S583R1, S584R1, S585R1, S586R1, S587R1, S588R1, S589R1, S590R1, S591R1, S592R1, S593R1, S594R1, S595R1, S596R1, S597R1, S598R1, S599R1	02/28/2003					30

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				Issued	Due	To Checker	From Response	Plan Check	Status		
STRUC-1	3042	000155	Drawings for Pipe Rack Foundations Drawing S540-R2, Pipe Rack Foundation plan Drawing S550-R1, Pile Cap Details Drawing S551-R1, Pile Cap Details Drawing S552-R2, Pipe Rack Foundation Sections and Detail	03/21/03 04/04/03	11/27/02						6 0
STRUC-1	3044	00097	STG Main Step-up Transformer Calcs 02484-001-06-008 Unit #3 dated 11/01/02- Drawgs S567, S570, S577, S578 dated 11/01/02	11/07/02 11/27/02	12/19/02	To Checker	From Check	GJ			3 3
STRUC-1	3044	00110	STG Main Step-up Transformer Drawings / Calcs Calcs# 02484-001-06-008 R1, Draw#: S577R1, S578 R1	11/27/02 12/05/02	12/20/02	To Checker	From Check	GJ-E/M	Not Approved	Comments need response from engineer	3 0
STRUC-1	3044	000128	STG Main Step-up Transformer Response to CBO Comments Drawings / Calcs Calcs# 02484-001-06-008 R2, Draw#: S577R2, S578 R2	01/08/03 01/29/03	01/14/03	To Checker	From Check	GJ-E/M	Approved	Approved	1 0
STRUC-1	3045	000100	Piles: Concrete-Filled Pipe Piles: Specs 02472-R2	11/08/02							1 0
STRUC-1	3045	000137	Piles: Concrete-Filled Pipe Piles: Specs 02472-R3	11/29/02 01/28/03	02/03/03	Fro Check	To Checker	GJ			2 2
STRUC-1	3046	000102	HRSG: Drawing & Calculations for HRSG Unit 1-Calcs 02481-001-06-008 Mat Foundation for HRSG & Stack for Unit 1 Rev. 1 dated 11/07/02 - S300 HRSG Pipe Location Plan, Unit 1 Rev 1 Dated 11/07/02	11/07/02 11/29/02	11/15/02	Fro Check	To Checker	GJ-E/M		Incomplete	4 4
STRUC-1	3046	000112	HRSG: Foundation Drawings - S305, S307, S310, S313	12/03/02 12/24/02	12/05/02	Fro Check	To Checker	GJ-E/M	Not Approved	Comments need response from engineer	2 0
STRUC-1	3046	000124	HRSG: Response to CBO Comments and Revised Foundation Plans Drawgs: S305 R2, S310 R2	12/31/02 01/22/03	01/07/03	To Checker	From Check	GJ	Approved	Approved	
STRUC-1	3046		HRSG: Foundation & Drawings S305-R3 Foundation Plan Unit 1 S306-R1 Foundation Plan Unit 2 S307-R2 Reinforcement Plan Unit 1 S308-R1 Reinforcement Plan Unit 1 S310-R3 Section Details Units 1&2 S311-R1 Section Details Units 1&2 S313-R2 Anchor Details Units 1&2 S315-R0 Equip Foundations Units 1&2	2/10/03 02/20/03 02/21/03							7 0
STRUC-1	3047	00109	CTG Main Step-up: Drawings & Calculations for Unit #1 & #2 CTG Main Step-up and Auxiliary Transformer Foundation Calcs# 02484-001-06-036 Draw#: S571R0, S572R0, S573R0, S576R0, S577R0, S578R0								2 0
STRUC-1	3048	00114	Condensate Pump Foundation Drawing and Calculation, calc# 02484-001-06-038 draw: S280R0	12/08/02 12/27/02	1/09/03	To Checker	From Check	GJ		BB to review & prepare comments. Minor comment: Add a note on drawing: 290 spec 1/2" anchor	1 0
STRUC-1	3049	00116	CTG Foundation Units 1&2 Drawing S206 R2	12/17/02	12/18/02	To Checker	From Check	GJ		Bart to Research Correspondence This goes with Sub# 3017	1 0
STRUC-1	3050	000119	Manholes & Covers Specification 02607	12/24/02 01/15/03	01/21/03	To Checker	From Check	GJ		BB needs to review and prepare comments. Distance between Trans and wall verify.	3 0
STRUC-1	3051	000122	Station Service Transformer Foundation Dwg/Cals calc# 02484-001-06-037 dwgs: S570 R1, S579 R1	12/30/02 01/07/03	01/21/03	To Checker	From Check	GJ			

A - Approved

• Accounted as for long-term assets

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- Not approached, remained with committee.

3 - Apuntes | Condicionales

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WILLDAN CBO PROJECT NO. 13254										
Cond.	Pack. No.	CBO No.	Package Title	Review / Approval Dates			Comments		Submitted	Response
				Issued / Due	To Checker	From Check	Resubmit	Plan Checker		
MECH-1	4002	000080	Piping System P&ID's: MT-P-2015-AST-001 Rev.1, Amonia Storage MT-P-2078-SSW-001 REV. 1, MT-P-2080-SWS-001 REV 2, MT-P-2081-SWS-002 REV/2, MT-P-2052-FWS-001 REV 2, Fire Water MT-P-2053-FWS-002 REV 2, Fire Water MT-P-2003-GEN-003 REV.0, MT-P-2004-GEN-004 REV.0, MT-P-2005-GEN-005 RE	10/1/2002 10/22/2002						
MECH-1	4002	000086	Waste Water Collection P&ID: 4 Drawings: MT-P-2084-WWC-001- 1 of 4, MT-P-2085-WWC-002- 2 of 4 MT-P-2086-WWC-003- 3 of 4 MT-P-2087-WWC-004- 4 of 4 Rev 1 dated 10/17/02 Circulation Water System: 1 Drawing Fuel Gas P&ID: 3 Drawings MT-P-2042-CWS-00- 1 of 3 Rev. 2 Fuel Gas P&ID: 3 Drawings MT-P-2047-FGS-001- 1 of 6, MT-P-2047-FGS-002- 2 of 6 MT-P-2046-FGS-003- 3 of 6 Fire Protection Arrangement: 1 Drawing Dwrg M203-R1	10/21/2002 11/11/2002						
MECH-1	4002	000149	Fire Protection Arrangement: 1 Drawing Dwrg M203-R1	none					Send to Greg Carr	
MECH-1	4003	000091	Fire Protection: 1 Spec and 4 Drawing Specification - Fire Risk Evaluation-Ray B M201 General Arrangement Plan at Grade M203 Fire Protection Arrangement MT-P-2032-FWS-001-R2 Fire Water P&ID MT-P-2053-FWS-002,-F2 Fire Water P&ID	10/30/2002 11/21/2002				GC		
MECH-1	4003	000139	Fire Protection: 1 Drawing: General Arrangement Plan View M201-R2	01/30/03 02/20/03				HK	New	
MECH-1	4003	000166	Fire Protection 6 Drawing MT-P-2042-CWS-001 Circulating Water System MT-P-2043-CWS-002 Circulating Water System MT-P-2044-CWS-003 Circulating Water System MT-P-2051-FWS-001 Fire Water MT-P-2052-FWS-002 Fire Water	5/1/2003	05/07/03			GC		
MECH-1	4004	000105	Mechanical Design Criteria: Specification #	11/2/02						
MECH-1	4004	000XXX	Drawings Requested By CBO	01/20/03						
MECH-1	4011	xxxx	Burns & Roe NJ Review: 186 Drawings Various BREI Mechanical Drawings					HK		
In review of Fire Protection MTP-2052-FWS-001 Refer To Excel Spreadsheet Audit Nr Brief Drwgs.xls" For detailed list of documents										1
										1
										283
										283

WILL DAN CBO PROJECT NO. 13254									
Cond.	Pack. No.	CBO No.	Package Title	Review/Approval Dates				Comments	
				Issued / Due	To Checker	From Check	Resubmit	Plan Checker	Status
MECH-1	4011	xxxx	Burns & Roe NJ Review: 10 Drawings Various BREI Vendor Mechanical Drawings					HK	
MECH-1	4011	xxxx	Burns & Roe NJ Review: 04 Calculations Various BREI Mechanical Calculations					HK	
MECH-1	4000	Calpine # 387	Cooling Tower Circ Pipe Drawgs: Requested to support RFI review 22 drawings	05/20/00	05/21/03			RS	
MECH-1	4050	000172	Fire Protection Plan:	05/29/03	05/30/03				
			Letter 5/29/03, Response to 3 CBO Letters of 3/18/03, 3/19/03, & 4/5/03						1
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WILLDAN CBO PROJECT NO. 13254

Cond.	Pack. No.	CBO No.	Package Title	Review / Approval Dates				Comments	Documents	
				Issued Due	To Checker	From Checker	Reply		Submit	Respond
ELEC-1	5001	000046	Electrical Grounding: 20 Drawings 1 Calculation: E200R0, E201R0, E202R0, E203R0, E204R0, E205R0, E206R0, E207R0, E208R0, E209R0, E210R0, E212R0, E214R0,	6/28/2002	xx	xx	05/15/03	BS ES	Approved	BS = Bob Snyder
ELEC-1	5001	000050	Electrical Grounding: 11 Drawings & 1 Calculation E201, E203, E205, E207, E208, E209, E210, E212 E213, E215, E216, 2484-01-07-006 Rev. 1	7/18/2002 8/8/2002	xx	xx	10/22/02	BS ES	A-10/22/02	
ELEC-1	5001	000067	Cable Sizing Calc: Underground: 02484-01-07-012 R 0 Above Ground: 02484-01-07-012 R 0	8/30/2002 9/23/2002				ES		
ELEC-2	5002	000057	Electrical One-Line Drawings: 20 Drawings	8/2/2002 8/23/2002	10/15/02	xx	10/03/03	ES	C-10/17/02	Conditionality approved but it was later determined: Drawing E104 was needed
ELEC-2	5002	000104	Electrical Single-Line Drawing: Draw: E-104 R1 sent in response to 2/12/03 letter	11/14/02	11/20/02		02/12/03	ES	Not Approved	Second review after receiving E-104 reveals significant comments
ELEC-2	5002	No Sub Number	Electrical Single-Line Drawings: E126A, E126B, E130B, E131B, E132B, E134A, E140A, E141B, E142B, E143A, E160R0, E161R0, E180A, E181A, E184A, E185A, E188A	xx/xx/xx			02/11/03	ES	Not Approved	Significant Number of comments sent to B&R via E-mail
ELEC-2	5002	000151	Electrical One-Line Drawings: 1 Letter, 23 Drawings	03/13/03	04/07/03	04/29/03	05/02/03	ES	Approved	These drawings were obtained by CBO at plant around mid-November. Elles prepared some comments, Drawings are preliminary and not for release and not officially submitted, so comments are being held by CBO
ELEC-2	5002	000154	Electrical One-Line Drawings: E101-R1, Electrical Symbols Sheet 1 E102-R1, Electrical Symbols Sheet 2 E103-R2, Electrical Symbols Sheet 3						Approval of two previous submissions this subject: CBO# 000057 and CBO# 000104	
ELEC-2	5002	000155	Electrical One-Line Diagram: E104-R2, Key One Line Diagram							
ELEC-2	5002	000156	Electrical Main One Line Diagram CTG #1							
ELEC-2	5002	000157	Electrical Main One Line Diagram CTG #2							
ELEC-2	5002	000158	Electrical Main One Line Diagram STG							
ELEC-2	5002	000159	E108-R2, 4160V Switchgear Bus 001A & 001B							
ELEC-2	5002	000160	E109-R2, 4160V Switchgear Bus 001A One Line Diagram							
ELEC-2	5002	000161	E110-R2, 4160V Switchgear Bus 001B One Line Diagram							
ELEC-2	5002	000162	E111-R2, 4160V Switchgear Bus 001B & STBY Gen							
ELEC-2	5002	000163	E113-R2, 4160V Cooling Tower MCC 011A							
ELEC-2	5002	000164	E114-R2, 4160V 480V HRSG #1 MCC 011-A-MC-021A							
ELEC-2	5002	000165	E120-R2, 480V Switchgear Bus 001A One Line Diagram							
ELEC-2	5002	000166	E121-R2, 480V Switchgear Bus 001B One Line Diagram							
ELEC-2	5002	000167	E123-R2, 480V Switchgear Bus 002A One Line Diagram							
ELEC-2	5002	000168	E128-R1, 480V Balance of Plant Inc 1-00-E1A-MC-021A							
ELEC-2	5002	000169	E130-R1, 480V HRSG #1 MCC 1-01-E1A-MC-014A							
ELEC-2	5002	000170	E131-R1, 480V HRSG #2 MCC 1-02-E1A-MC-014B							
ELEC-2	5002	000171	E132-R1, 480V Essential Sys MCC 1-00-EGS-MC-001							
ELEC-2	5002	000172	E133-R1, 480V Water Treatment 1-00-E1A-MC-022A							
ELEC-2	5002	000173	E134-R1, 480V Water Treatment 1-00-E1A-MC-022B							
ELEC-2	5002	000174	Electrical Drawing-J-Underground conduits: 65 Drawings:							
ELEC-2	5002	000175	E354, Rev 0, E300, E316, E318, E322, E323, E324							
ELEC-2	5002	000176	E326, Rev. 1							
ELEC-2	5002	000177	E371, E376, E377, E378, E379, E381							
ELEC-2	5002	000178	E382, E383, E384, E385, E386 Rev 0							
ELEC-1	5003	000074		09/20/02	09/30/02	12/12/02	12/17/02	ES	Conditional Approval	Major Scope Resulting a significant number of comments that need to be resolved by the engineer.
ELEC-1	5003	000075							Not Stamped	Response by engineer in CBO-000130 makes possible to approve conditionally

WILLDAN CBO PROJECT NO. 13254

Cond.	Pack. No.	CBO No.	Package Title	Review / Approval Dates					Comments	Documents
				Issued Due	To Checker	From Checker	Reply	Plan Checker		
			E301, E302, E303, E304, E305, E306, E307, E308, E310, E311 E312, E313, E315, E317, E329, E330, E331, E332, E333, E335 E337, E341, E342, E343, Rev. 0							
			E350, E351, E352, E353, E360, E362, E363 E384, E370, E374, E375, Rev. 1 dated 8/23 E314, E320, E327, E328, E370, Rev 2							
			Electrical Design Criteria: 4 Drawings (spec sheets) SD-E-004-GEN-000 Legend SD-E-004-GEN-001 Tray SD-E-004-GEN-002 Duct Bank SD-E-004-GEN-003 Notes	12/27/02 01/20/03	To Checker 1/07/02	05/12/03 05/13/03	ES	Accepted	Accepted for Info Only comments provided	4 4
ELEC-1	5004 (5003)	000121	Underground Conduit and Duct Banks: 1 Letter, 1 Spec, 3 Reports Letter Response to CBO comments of 12/17/02. Specification 18118 Manhole and Ducts Cable Schedule Raceway Report Cable Length Report	01/15/02 02/05/03	To Checker 01/28/03	01/28/03	ES	Accepted Verbally	Responded to Specs with Comments Need Formal Response	5 5
ELEC-1	5003	000130								

WILLDAN CEO PROJECT NO. 13254

Cond.	Pack. No.	CBO No.	Package Title	Review /Approval Dates				Comments	Documents			
				Issued Due	To Checker	From Checker	Reply		Plan Checker	Status	Submit	Respond
ELEC-1	3038		PDCs: 8 Drawings: Diwos E900-R1 Layout E902-R1 CTG Unit 1, E903-R1 CTG Unit 2, E904-R1 HRSG Unit 1, E905-R1 HRSG Unit 2, E906-R1 Cooling Tower Unit 1, E907-R0 Water Treatment Area, E914-R0 Bus Layout	09/25/02 10/09/02	02/11/03	02/12/03		ES	Approved Not Stamped	Bart to Finish Disposition	8	0
ELEC-1	5004	000099	Voltage Cals: Cacls 02484-001-07-002 Load Flow and Voltage Drop, Rev. 0 Cacls 02484-001-07-003 Short Circuit, Rev. 0	11/8/02 11/29/02	1/1/31/03	4/30/2003	05/13/03	ES	Approved	ES to look over 1/31	2	2
	5000	000000	Temporary Power: DWG# E0.01 Single Line Diagram - Rosendin Electric	02/21/03	02/21/03	03/04/03	03/05/03	ES	not approved	9 Comments to be sent back to Detars		
ELEC-1	5005	000147	Lighting Plans: 32 Drawings 1 Calculation	03/4/03 3/17/03	04/09/03	04/29/03	05/01/03	ES	Approved	Approved with comments	33	33
			Calculation #2484-001-07-008 Light & Power Density									
			E146. Panel Schedules CTG Unit #1									
			E147. Panel Schedules CTG Unit #2									
			E148. Panel Schedules CEM/HFSG Unit #1									
			E149. Panel Schedules CEM/HFSG Unit #2									
			E150. Panel Schedules Cooling Tower									
			E152. Panel Schedules BOP Electrical/Control									
			E000. Electrical Lighting Drawing Layout									
			E001. Electrical Lighting Plant Railway Lighting									
			E002. Electrical Lighting STG BLD GND Sh1									
			E003. Electrical Lighting STG BLD GND Sh2									
			E004. Electrical Lighting STG BLD GND Sh3									
			E005. Electrical Lighting STG BLD MEZZ Sh1									
			E006. Electrical Lighting STG BLD MEZZ Sh2									
			E007. Electrical Lighting STG BLD MEZZ Sh3									
			E008. Electrical Lighting STG BLD Operating Sh1									
			E009. Electrical Lighting STG BLD Operating Sh2									
			E010. Electrical Lighting STG BLD Operating Sh3									
			E011. Electrical Lighting Cooling Tower									
			E012. Electrical Lighting CTG Unit #1 Plan View									
			E013. Electrical Lighting CTG Unit #2 Plan View									
			E014. Electrical Lighting HRSG Unit #1 Plan View									
			E015. Electrical Lighting HRSG Unit #1 East Elvat									
			E016. Electrical Lighting HRSG Unit #1 West Elvat									
			E017. Electrical Lighting HRSG Unit #2 Plan View									
			E018. Electrical Lighting HRSG Unit #2 East Elvat									
			E019. Electrical Lighting HRSG Unit #2 West Elvat									
			E020. Electrical Lighting Pipe Rack & Walkways									
			E031. Lighting Details & Fixture Schedule									
			E032. Lighting Control Diagram PDC 1,2,3									
			E033. Lighting Control Diagram PDC-3									
			E034. Lighting Control Diagram PDC-4									
			E035. Lighting Control Diagram STG BLD Electrical room									
ELEC-1	5003	000170	Manhole Rollout Details: 6 Drawings	5/16/03 5/30/03	05/19/03			ES			6	
			E374 Electrical Manhole Rollout Details Sh 1									
			E375 Electrical Manhole Rollout Details Sh 2									
			E376 Electrical Manhole Rollout Details Sh 3									
			E377 Electrical Manhole Rollout Details Sh 4									

WILLDAN CBO PROJECT NO. 13264

Cond.	Pack. No.	CBO No.	Package Title	Review / Approval Dates				Comments		Documents	Submit Respond
				Issued Due	To Checker	From Checker	Plan Checker	Status			
ELEC-1	5003	000169	E378 Electrical Manhole Rollout Details Sh 5								
			E379 Electrical Manhole Rollout Details Sh 6								
			Embedded Conduit & Duct Banks:								
			E300 U/G Conduit Drawing Layout	5/14/03	05/19/03						
			E301 U/G Conduit Overall Site Plan	5/26/03							
			E302 U/G Conduit Plan Unit 1 Step-Up XFMR area								
			E303 U/G Conduit Plan Unit 1 Step-Up XFMR area								
			E304 U/G Conduit Plan Unit 2 Step-Up XFMR area								
			E305 U/G Conduit Plan Unit 3 Step-Up XFMR area								
			E306 U/G Conduit Plan CTG Unit 1 Area								
			E307 U/G Conduit Plan CTG Unit 1 & 2 North Access Area								
			E308 U/G Conduit Plan CTG Unit 2 Area								
			E310 U/G Conduit Plan CTG Unit 1 Area								
			E311 U/G Conduit Plan Unit 1 & 2 North Access Area								
			E312 U/G Conduit Plan CTG Unit 2 Area								
			E313 U/G Conduit Plan Steam Turbine Area								
			E314 U/G Conduit Plan HRSG Unit 1 Area								
			E315 U/G Conduit Plan CTG Unit 1 & 2 North Access Area								
			E316 U/G Conduit Plan CTG Unit 2 Area								
			E317 U/G Conduit Plan Steam Turbine Area								
			E318 U/G Conduit Plan HRSG Unit 1 Area								
			E319 U/G Conduit Plan East Piping Area								
			E320 U/G Conduit Plan HRSG Unit 2 Area								
			E321 U/G Conduit Plan Steam Turbine Area								
			E322 U/G Conduit Plan CTG Unit 1 Area								
			E323 U/G Conduit Plan East Piping Area								
			E324 U/G Conduit Plan HRSG Unit 2 Area								
			E325 U/G Conduit Plan Steam Turbine Area								
			E326 U/G Conduit Plan CTG Unit 1 Area								
			E327 U/G Conduit Plan CTG Unit 1 Area								
			E328 U/G Conduit Plan HRSG Unit 2 Area								
			E329 U/G Conduit Plan East Piping Area								
			E330 U/G Conduit Plan HRSG Unit 1 CEMS Area								
			E331 U/G Conduit Plan HRSG Unit 2 CEMS Area								
			E332 U/G Conduit Plan Water Treatment Area								
			E333 U/G Conduit Plan Water Treatment Area								
			E335 U/G Conduit Plan Admin/Ctr Rm/Warehouse Area								
			E336 U/G Conduit Plan Admin/Ctr Rm/Warehouse Area								
			E337 U/G Conduit Plan Water Treatment Area								
			E338 U/G Conduit Plan Admin/Ctr Rm/Warehouse Area								
			E339 U/G Conduit Plan Admin/Ctr Rm/Warehouse Area								
			E340 U/G Conduit Plan Admin/Ctr Rm/Warehouse Area								
			E341 U/G Conduit Plan Cooling Tower Area								
			E342 U/G Conduit Plan Switchyard Area								
			E343 U/G Conduit Plan Water Treatment Area								
			E345 U/G Conduit Plan Water Treatment Area								
			E346 U/G Conduit Plan Water Treatment Area								
			E347 U/G Conduit Plan Water Treatment Area								
			E348 U/G Conduit Plan Water Treatment Area								
			E349 U/G Conduit Plan Water Treatment Area								
			E350 CTG Unit 1 Embedded Conduit Plan - Sh 1								
			E351 CTG Unit 1 Embedded Conduit Plan - Sh 2								
			E352 CTG Unit 1 Embedded Conduit Plan - Sh 3								
			E353 CTG Unit 1 Embedded Conduit Sections - Sh 1								
			E354 CTG Unit 1 Embedded Conduit Sections - Sh 2								
			E355 U/G Conduit Plan Admin/Ctr Rm/Warehouse Area								

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Cond.	Pack. No.	CBO No.	Package Title	Review /Approval Dates				Comments	Documents
				Issued Date	To Checker	From Checker	Plan Checker		
			E356 U/G Conduit Plan Admin/Ctl Rm/Warehouse Area						
			E357 Cooling Tower Area						
			E358 Units 1 & 2 Step Up XFM/R Area						
			E360 CTG Unit 2 Embedded Conduit Plan - Sh 1						
			E361 CTG Unit 2 Embedded Conduit Plan - Sh 2						
			E362 CTG Unit 2 Embedded Conduit Plan - Sh 3						
			E363 CTG Unit 2 Embedded Conduit Plan - Sh 1						
			E364 CTG Unit 2 Embedded Conduit Sections - Sh 2						
			E365 U/G Conduit Plan Unit 1 PDC Area						
			E366 U/G Conduit Plan Unit 2 PDC Area						
			E367 U/G Conduit Plan PDC - 5 Cooling Tower Area						
			E370 Duct Bank Installation Details						
			E371 Manhole Installation Details						
			E381 Duct Bank Sections - Sh 1						
			E382 Duct Bank Sections - Sh 2						
			E383 Duct Bank Sections - Sh 3						
			E384 Duct Bank Sections - Sh 4						
			E385 Duct Bank Sections - Sh 5						
			E386 Duct Bank Sections - Sh 6						
			E387 Duct Bank Sections - Sh 7						
			E388 Duct Bank Sections - Sh 8						
ELEC-1	5003	000171	STG Operating Floor & Pedestal Embedded Conduit:	5/19/03 6/02/03	05/22/03		ES		
			E368 STG OP FLR Embedded Conduit Plan Sh 1						
			E369 STG OP FLR Embedded Conduit Plan Sh 2						

A - Approved

I - Accepted as for information only

N - Not approved, returned with comments.

C - Approval Conditioned upon submittal of addt, info or replacement

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 D - Discussion pending between CBO, Engineer, Geotech, Inspector or other party
 H - On hold by Mortenson/Calpine
 R - Reversal of approval pending resolutions from outside agencies.

Total: 267 Total: 193

THE CHECKED-IN/ISSUED RECORD
CALL NUMBER AND DOB

WILLDAN CBO PROJECT NO. 13254

Cond.	Pack. No.	CBO No.	Package Title	Review / Approval Dates				Comments	Documents
				Issued Due	To Checker	From Response	Plan Checker		
STRU-C1	7001	Calpine Transmittal 00249	Switchyard Structure: 1 Calc, 1 Drawing: Power Engineers Inc. Calculation# 150312-01 Drawing# C02-1 Rev B	03/28/03	05/01/03		GJ	Piles are Approved via email. Comments require further action	2 0
TSE	7002	Calpine Transmittal 00274	Switchyard Plans: 65 Drawings: EP01 Foundation Plan EP02 Electrical Assembly Plan EP03-1 Electrical Elevations Sh 1 EP03-2 Electrical Elevations Sh 2 EP04 Fence & Grounding Plan EP05 Fence & Grounding Details EP10-1 Electrical Material List Sh 1 of 2 EP11 Assembly & Ctrl Bldng Nameplate schedule	03/28/03	05/01/03		ES		65
TSE	7002		E01 One-Line Diagram E02-1 Relay One-Line Diagram Sh 1 E02-2 Relay One-Line Diagram Sh 2 E03 Three-Line Diagram E04 Three-Line Diagram Circuit Breaker 242 E05 Three-Line Diagram Circuit Breaker 442 E06 Three-Line Diagram Circuit Breaker 232 E07 Three-Line Diagram Circuit Breaker 332 E08 Three-Line Diagram Circuit Breaker 432 E09 Three-Line Diagram 230kV Bus 1 & 2 E10 Station Services AC Panel Schematic E11 Station Service DC Panel Schematic E12 01-03-GSU-XF-301XFMR Differ Relay Schematic E13 Trral Differ & CB 242 BKR Failure Relay Schematic E14 CB 442 Breaker Failure Relay Schematic E15 01-01-GSU-XF-101 XFMR Differ Relay Schematic E16 Trral Differ & CB 232 BKR Failure Relay Schematic E17 CB 332 Breaker Failure Relay Schematic E18 01-02-GSU-XF-201 XFMR Differ Relay Schematic E19 Trral Differ & CB 432 BKR Failure Relay Schematic E20-1 Annulator Win Layout & Engraving E20-2 Annulator Schematic Sh 2						
TSE	7002		E20-3 Annulator Schematic Sh 3 E20-4 Annulator Schematic Sh 4 E20-5 Annulator Schematic Sh 5						

WILL DAN CBO PROJECT NO. 13254

Cond.	Pack. No.	CBO No.	Package Title	Review / Approval Dates				Comments		Documents	
				Issued Due	To Checker	From Response	Plan Checker	Status	Submit	Respond	
TSE	7002		E21-1 Breaker 242 Trip Cir #1 Schematic E21-2 Breaker 242 Trip Cir #2 Schematic E21-3 Breaker 242 Close Cir Schematic E21-4 Breaker 242 Alarm & AUX Schematic E21-5 Breaker 242 Motor, Heater & Receptacle Cir Sch								
			E22-1 Breaker 442 Trip Cir #1 Schematic E22-2 Breaker 442 Trip Cir #2 Schematic E22-3 Breaker 442 Close Cir Schematic E22-4 Breaker 442 Alarm & AUX Schematic E22-5 Breaker 442 Motor, Heater & Receptacle Cir Sch								
			E23-1 Breaker 232 Trip Cir #1 Schematic E23-2 Breaker 232 Close Cir Schematic E23-3 Breaker 232 Alarm & AUX Schematic E23-4 Breaker 232 Motor, Heater & Receptacle Cir Sch								
			E24-1 Breaker 332 Trip Cir #1 Schematic E24-2 Breaker 332 Trip Cir #2 Schematic E24-3 Breaker 332 Close Cir Schematic E24-4 Breaker 332 Alarm & AUX Schematic E24-5 Breaker 332 Motor, Heater & Receptacle Cir Sch								
			E25-1 Breaker 432 Trip Cir #1 Schematic E25-2 Breaker 432 Trip Cir #2 Schematic E25-3 Breaker 432 Close Cir Schematic E25-4 Breaker 432 Alarm & AUX Schematic E25-5 Breaker 432 Motor, Heater & Receptacle Cir Sch								
			E26-1 MOD 247 Trip & Close Cir Schematic Sh 1 E26-2 MOD 247 Heater & AUX Cir Schematic Sh 2 E28-1 Switchboard Panel Assembly Sh 1 of 2 E29-2 Switchboard Panel Assembly Sh 2 of 2 E30 Switchboard Panel Assembly Material List E31-1 Switchboard Panel Asmby Nameplate Sched Sh 1 E31-2 Switchboard Panel Asmby Nameplate Sched Sh 2								
TSE	7002	Calpine Transmittal 00274									

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Total: 65

Total: 0